G. M. - 1913

1913.10

Sl. No. 1-4.

Annual Administration Report of the
Govt. Indian for the year 1913-14

Previous references.
fm. 169-09/10 $\frac{1-10}{B\ VIII\ 10}$.
102-08/09 $\frac{1-3}{F\ XII\ 08}$

Later references.
fm 170-11 08 1-4

1910-11
(Genl. Misc)

File No. 177-10

Serial Nos. 1-4

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1 — 4

Part B. for
September 1911

SUBJECT.

Annual Administration report of the Govt Gardens for the year 1909-10.

From the Supt Govt Gardens: No. 263 & 17.11.10.
Submits the annual report on the Govt Gardens and parks for the year 1909 10 & explains the cause of the delay.

2. To the Supt Govt Press. No. G.3448 & 6.12.10.
Requests that the accompanying annual Gardens Report for 1909-10 ~~should be~~ may be set in type & 400 copies printed for being bound up with the Govt Review thereon to follow.

To the Supt Govt Gardens. No. G.3449 & 6.12.10.
Forwards copy of the above for information returning G. R. S. 58 Part II & Appendix C.

3

K.N. Krishnaswamy Jr 30/11

3. To the Supdt Govt Gardens. No. G. 4915 dt 23-9-11

Reviews the annual Administration Report of the Govt Gardens and Parks in Mysore during the year 1909-10.

4. From the Supdt Govt Gardens. No. 1488 dt 13-9-11

With reference to Serial 2 above states that notes on experimental cultivation originally intended to comprise Part II of his office annual report for 1909-10 will be included with the bulletin on the Lal-bagh which is under preparation.

~ ~ ~ ~

G.R.S. 11] 190—11

GENERAL AND REVENUE SECRETARIAT.

(Gen-Misc.)

NOTES.

File No. 177-10

FILE HEADING.

Annual Administration Report of the Govt Gardens for the year 1909-10

From

The Supt of Govt Gardens.

No. 243 Dated 17/25 11 10 Received 26 11 10.

Diary No. 2361	Enclos. 8	Spare Copies. 1	Serial No. 1.

BRIEF ABSTRACT OF LETTER.

Submits the Annual Report on the Govt Gardens & Parks for the year 1909-10 and explains that the delay in its submission is due to his having been otherwise engaged in connection with the Dasara Exhibition &c.

NOTES AND ORDERS.

The delay of over two months in the Submission of the Report is explained by the Supt to be due to his having been engaged in connection with the Dasara Exhibition ~~and~~ at Mysore and after that with some urgent work

NOTES—First sheet.

GPB—30,000—20-3-06.

Serial No.

at headquarters. There was a delay of nearly two months in the submission of the previous Annual Report also and consequently it has not been possible to issue it yet, printed copies not being ready.

2. While submitting the previous year's report the Supt. suggested that it and the bulletins proposed to be issued by him from time to time might be published in book form. No orders were communicated to him specifically on this suggestion, but the report was (in two parts) as usual, sent to the press for being printed. As regards the present report the Supt. makes no suggestion as to how it is to be printed. It consists of two parts like the previous year's report, the second part dealing exclusively with experimental cultivation. The latter, it is submitted, appears to be somewhat out of place in a report on Gardens and lends itself more suitably for publication in the form of a bulletin. It is a matter for consideration whether, before sending the report to the press, the ~~Second part of the report~~ opinion of the Supt. may not be ascertained as to whether the section on experimental cultivation is to be printed along with

Since received on 5-XII-10

Printed and issued

NOTE—Contn. sheet.

GPB—55,000—27-4-09

G. R. S. 12]
General and Revenue Secretariat.

File No. 177 of 1910-11

Serial No.

2841/9

The main report as was done in the case of the previous year's report.

3. A draft review of the report has to be prepared.

Submitted for order.
114
30.XI.10

4. The course, approved as a special case for last year, is not in accordance with the standing orders on the preparation of Admn Repts, and has obvious disadvantages, and can not be perpetuated.

5 (1) Please send pt I to Press for being sent in type and kept pending receipt of Review of Mr J. G. Rainier with

6. (2) Please put up a draft Review.

7. (3) Return pt II to Supdt with the observation that it can not form part of the Admn Rept & that the instructions issued on the previous occasion with regard to the publication of such matter as Bulletins should be followed.

Also invite his attention to his observation in the last para of his letter of 13/8/10 & Mr 98.

1.12.10

Draft put up.

114
2-12-10

2/12/10

GPB—55,000—27-4-09

NOTE—Contn. sheet.

G. R. S. 12]
General and Revenue Secretariat.

Gen File No. 177 of 1900-11

2841/G

Serial No.	
2.	To the Supdt, Govt Press No. G. 3448. d. 6-12-10 Requests that the Annual Report for gardens 1909-10 sent herewith be set in type and 400 Copies printed for being bound up with the Govt Review thereon to follow this Sl.
	G 3449. 6.12.10 Frds a copy of the Above for information returning part II and appendix C.
	Draft review Subd J.C.R. 8.12.10. (Scrutin) hm 12/12/10 2nd C ofg 17/12/10 hm
1096.	The draft review may be approved. There is not much that is particularly noteworthy either in the report or in the proceedings of the year. The attempts made towards experimental culture in Srinagar patna or elsewhere are not particularly encouraging. The

NOTE—Contn. sheet.

GPB—55,000—27-4-09

G. R. S. 12]
General and Revenue Secretariat.

G.M File No. 177 of 1910-11

Serial No.

Superintendent's business negotiation in Connection with the procuring of a lioness seems to have been ~~to~~ not as well Conducted as it should have been in the interests of Govt. It is therefore worth considering whether the appreciation of Govt should not be less warm than it is made in the office draft. It would perhaps be sufficient to record the report.

19/12/10

Dewan

+ I believe no bulletins have been issued after Mr Krumbiegel's advent. The office will please verify. The Govt. of 12.5.9 seems to contemplate such work also.

19/12

Dewan through 18/12

20/12/10

The Menagerie in the Lal Bagh

1762
20.12.10

NOTE—Contn. sheet.

GPB—55,000—27-4-09

Serial No.

2341

is apparently deteriorating
there are only 1 lion and
1 tigress - the enclosure is
damp - most of the cages
are empty
The garden was inundated
during the last rains and
much damage was caused.
The promenade & other fashion-
able resorts in the Lal
Bagh were rendered impass-
able by water which is
still running in some parts
I do not see how Mr
Krumbiegle could be held
accountable for the mishap
in connection with the lioness
She died in transit - as
did one of the elephants
while being brought to Bangalore
The exact measure of
commendation to be given
to the Supdt I would leave
to the Dewan Sir

27/12/10

94552
27.12.10

Dewan
Supdt approved CM
Routine matter 27/12/10 M
Mayflower Letter Dept 27/12/10

Issue
CM
27/12/10

GPB—50,000—12-8-10

G. R. S. 12]
General and Revenue Secretariat.

Gen. File No. 177 of 1910.

Serial No.	
3	To the Supdt, Govt Gardens. No. Cr 4915 dy 23. 2. 11 Reviews the Annual Adm. Report of the Govt Gardens & Parks in Mysore during the year 1909-10. A. Reference is invited to this office memo No. 3449 d. 6. 12. 10 to the Supdt of Govt Gardens. It is not known what steps he has taken to publish his notes on Experimental Cultivation. Draft enquiry is put up for approval. H. 114 mm. 6. 7. 11. Issued 7. 7. 11
	Reminder is sued. No. Cr 312 dy 14. 7. 11 Another reminder is sntd. Hy (125) mm. 8 28-8-11 Issue dy 28. 8. 11.
	Reminder is sued. No. Cr 1577 dy 9. 9. 11.
4.	From the Supdt, Govt Gardens, No. 168 dy 12/13. 9. 11. — With refce to Sl 2, states that notes on experimental cultivation originally intended to comprise Part II of his office Annual Rep for 1909-10 will be included with the Bulletin on the Lal Bagh which is under preparation. Submitted. 46 VS. 41 20. 9. 11

NOTE—Contn. sheet.

GPB—50,000—12-8-10

G. R. S. 12]
General and Revenue Secretariat.

G. M File No. 177 of 1910-11

Serial No.

130 ✓

Subd to 2nd Councillor for perusal

21.9.11

Seen

26/9/11

Subd. The papers may now be ~~filed~~ recorded.

Parl. 147
27.9.11.

US. 41

yes

27.9.11

NOTE—Contn. sheet.

GPB—50,000—12-8-10

No. 263
Enc 1 in duplicate.

OFFICE OF THE ECONOMIC BOTANIST,
SUPERINTENDENT, GOVT. GARDENS,
LAL-BAGH, BANGALORE.

Dated ~~17th~~ November 1910.
25.

From
G. H. KRUMBIEGEL, F.R.H.S.,
ECONOMIC BOTANIST,
SUPERINTENDENT, GOVT. GARDENS.

To
C.S. Balasundaram Iyer, Esq., B.A.,
Offg. Secretary to the Government of H.H. the Maharaja
of Mysore, Gen. & Rev. Departments.

Sir,

I have the honor to forward herewith the Annual Report on the Government Gardens and Parks in Mysore for the past official year 1909-10, and to state that its submission in due time has been delayed owing to my being engaged in the late Dasara Exhibition and subsequently with some urgent works at the head-quarters, for which I regret.

2. Instructions may be favoured ~~forwarded~~ to the Superintendent, Government Press, to be good enough to furnish this Office as usual with proof of the Report before it is printed off.

For distribution to kindred institutions and scientific correspondents this office will require 250 copies of the Report.

I have the honor to be,
Sir,
Your most obedient servant,

Economic Botanist,
Superintendent, Government Gardens.

P.B.S.

1910.-1911. 32 341

From

G. H. KRUMBIEGEL, F.R.H.S.,
ECONOMIC BOTANIST,
SUPT., GOVT. GARDENS.

To

C.S.Balasundaram Iyer,Esq.,B.A.,
Offg.Secretary to the Govt. of
His Highness the Maharaja of
Mysore,General and Revenue
Departments, Bangalore.

Dated 17th November, 1910.

Despatched 25

Received

General No 263
No.

Enclosure No. 1 in duplicate.

Forwarding in duplicate the Annual Report on the Government Gardens and Parks in Mysore, for the past official year 1909-1910.

ANNUAL REPORT ON THE CONDITION, PROGRESS AND GENERAL ADMINISTRATION OF THE GOVERNMENT GARDENS AND PARKS IN UPPER INDIA FOR THE OFFICIAL YEAR 1909-1910.

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1. Government Botanical Gardens (Lal-Bagh).

1. VISITORS. The Lal-Bagh has fully maintained its reputation both as a place of public resort and a source of scientific information. The improvements so far completed attracted an unusually large number of people. The development of plant nurseries and the Seed-Depot also contributed to public attendance including many officials of the Horticultural and Agricultural Departments of India, Planters and other foreign visitors. Among the notabilities may be mentioned the Viceregal party and the several native ruling chiefs of Northern India.

2. SEASON. The rainfall as gauged at the Gardens amounts to 37 inches and 94 cents, which is 3.06 less than the average for the Station or 4.00 more than that of the previous official year. Rain fell on [illegible] days during eight months of which August was the wettest month when 11.[illegible] represents the quantity gauged. The heaviest single downpour recorded on the 1st September only amounts to 2.40. The drought prevailed over a period of four months viz., from December to March and the light showers that fell at intervals during the South West Monsoon months benefitted the garden and field crops: but the latter subsequently suffered in consequence of the comparative failure of the month east monsoon.

3. HORTICULTURAL SHOWS.- The Summer and Winter Horticultural shows have been held at regular intervals, as usual, in August and February respectively, at an aggregate cost of Rs.2,830-0-11 against the sanctioned grant of Rs.3,100. The gate collection realised on both the occasions amounts to a sum of Rs.[illegible]- -0 which is in excess of the corresponding shows of the previous official year by Rs.17-12-0. This result may apparently be due to two changes in the former programme: firstly, the show which was for several years past taking place on Thursday and which

Friday, is now held on the two days following. Secondly, The Show is kept open on the third day in view to admitting only Cosha ladies into the Show Conservatory on payment of a small fee.

At the Summer Show the Gold medal for classes I,II and III has been awarded to Major Hayes and Mr.Hamington, Joint Exhibitors, while the Mysore Fruit Syndicate carried off the silver medal for class . The Bronze medal for class VI fell to the share of Mooniarma.

The Remarks of the Judges of each Show on the respective --- classes have been quoted ad verbatim in Appendix A.

4. APPRENTICE GARDENERS. The full compliment of the class organised about twenty years ago is 6 lads, provision for whose wages has been -- without exception made in all the subsequent years: whenceforth it is - still observed that the strength of the class was seldom full and invariably of a fluctuating nature. Coming to the period under report, there were in the class 4 apprentices to start with of whom one , entered into his third years course in March. The rest severed connection with the class- one by a transfer to the Permanent Establishment in the same month and other two left in September and May respectively. The class in this way remained dwindled down till June when a lad was newly admitted and thereby raised the number of apprentice gardeners to two at the close of the official year. 6

5. CONSTRUCTION AND REPAIRS. This item represents works which, being of a minor nature are neither referred to the Public Works Department nor included with the scheme of special improvements undertaken by this -- Department. The annual grant of Rs.1,000 allowed therefor has been, as usual, economically expended on works of which the following are the -- more important:-

Repairing Garden Buildings and Structures.
Color and white washing ----------""-----
Constructing Drainage pits.
Dismantling old wall and stone roof of some parts of the old Chattram.
Purchasing materials, such as paint,screws, bolts,etc.
Constructing Coil Bins.
Improving floor of potting shed.
Road Repairs.
Constructing parapet walls.
Constructing drains, etc.

Other petty works also received prompt attention ; and in this [illegible] the Garden buildings roads, etc. have been maintained in a good state of repair.

C. ZOOLOGICAL COLLECTION. With the grant for new purchases further reduced to a sum of Rs.250, which is one fourth of what it used to be in former years, the acquisition of rare and interesting animals, if not new to the collection, could not be attempted beyond the purchase of a pair Ring-tailed Lemurs. Funds being thus limited, Government have approved of the proposal made to secure good and valuable animals in exchange for one or two elephants captured at the Kheddas, of which a pair of calves were subsequently placed at the disposal of this office by the Forest Department. Unfortunately one of them died in transit and could, as reported, not be replaced there being none available. The surviving specimen showed signs of disease on arrival but subsequently recovered with medical treatment administered for some time. The elephant was offered to Mr.John Litek of Bombay in exchange for a Lioness a pair of Lemur and a pair of Swans. The Lioness, strange to say, did not survive the journey and died before she reached the destination.

These unfortunate casualties seriously affected the interest of the Zoological collection which otherwise remained the same as in the previous year in point of representativeness and interest. Allowance for the casualties mostly confined to smaller animals the condition of all other inmates of our Menagerie and Aviary was generally satisfactory. Presents of small animals and birds have, as usual, been received and details of the same are mentioned in the Donation List.

The following is a list of the animals as it stood at the end of the year:-

No.	Scientific name.	Popular name.	No. of Animals.
	Simia satyrus	The Orang-utan	2
	Ceropithecus calletrichus	The Green Monkey	1
	Cynopithecus niger	The Black ape	1
	Lemur catta	The ring-tailed Lemur	1
	" macoca	The Black Lemur	1
	" nigrifrons	The Black-fronted Lemur	3
	Felis Leo	The Lion	1
	" tigrês	The Tiger	1
	" paradus	The Leopard	1
	" " var mela	The Black Leopard	1
	Hyaena striata	The striped Hyaena	1
	Ursus torquatus	The Himalayan Black Bear	3
	Melursus ursinus	The Sloth Bear	1
	Canis bengalensis	The Indian Fox	1
	Boselaphus tragocamelus	The Nilghai	1
	Gazella arabica	The Arabian Gazella	1
	Antilope cervicapra	The Black Buck	4
	Cervus axis	The Spotted Deer	30
	Tragulus meminna	The Mouse Deer	?
	Cervulus muntjac	The barking Deer	1
	Sus cristatus	Indian wild Boar	?
	Hystrix leucura	The hairy-nosed Porcupine	1
	Sciursus privosti	The refous-necked Squirrel	1
	Legus cuniculus	The Rabbit	17
	Cavia porcellus	The Guinea pig	??
	Macropus bennetti	Bennett's Kangaroo	1
	Urocissa sinensis	The blue Magpie	1
	Garrulax leucolophus	The white Laughing Thrush	1
	Psittacus galeritus	The Great ~~White~~ Sulphur-crested Cockatoo	2
	" leucolosphus	The Great White-crested Cockatoo	1

Psittacus roseicapillus	The rose-breasted Cockatoo		2
" flaveolus	The Alexandrine Parakeet		2
" gregarius	Australian love Birds		3
" novae-hollandiae	The Cockatiel	1	3
Eula petes religiosa	The Southern Grackle		1
Munia Oryzivora	Java Sparrow		5
Hypsipetes psaroides	The common Bull Bull		1
xxxx[illegible] xx	xx[illegible]		x
Goura coronata	The crowned Pigeon		1
Columba intermedia	The common Pigeon		7
Turtur risorius var alba	The white Turtledove		4
Pavo cristatus	The common Pea-fowl		6 11
" " var alba	The white Pea-fowl		6
Querquedula crecca	The common Teal		14
Cairina moschata	The Muscivy Duck		6

7. SPECIAL IMPROVEMENTS. The second years scheme of improvements - was submitted at a cost of Rs. 21000-0-0 and Government while sanctioning a sum of Rs.10,000 for a portion thereof ordered the following distribution of works, adding the last item, ~~is~~ viz. compensation;-

Water Supply	Rs.	2,000-0-0
Books.....	"	594-0-0
Porcelain Labels.....	"	390-0-0
Statue Garden.....	"	1,383-0-0
Minor improvements.....	"	2,000-0-0
Compensation.....	"	3,632-12-0

It will be observed from the above that only items 1 and 5 have been undertaken in continuation from the previous official year ; and the rest, Viz.,(1) converting glass house into Fowl House,(2) Concreting -- Chattram Roof (3) Constructing a Glass House and (4) Improving the --- Foliage House, transferred to the Public Works Department for execution with the Office'outfit' ordered to stand over for the time being comprises the full scheme as proposed by this office.

The progress or the improvement, as the case may be, connected with each item is briefly noticed under ~~Water Supply~~.

8.Water Supply The advantages of water supply from pipe system introduced into the Gardens as compared with that of the former of Masonry and ~~Chattnar~~ earthen ---- channels being sufficiently explained in the last report, it only remains to be said at present that in confirmity with the original scheme the --- Western Main has now been laid down which ~~control~~ control all the ground west of the Darwinia including the Menagerie section.

8A.BOOKS. A selection of works on Botany, Gardening, Economic products, etc., has been secured for the Library : these include the books sanctioned with the scheme of improvements It is observed that with the --- acquisitions already made the Library continues to be still incomplete and unrepresentative of the more modern botanical literature, and as funds -- become available its further development will receive attention.

9. PORCELAIN LABELS. The matter of correctly labelling important plants has been engaging attention of the Garden Authorities and it is gratifying to observe that the enquiring public appreciate the present porcelain Label on which

on which the usual information regarding the Natural Order, Genus, Species, and the Habitat, of a plant has been furnished. With a white background and the indelible black printed impression burned in, the label has proved useful for distant vision, attractive for sight-seeing and lastly economical in value. A consignment consisting of 722 labels was imported from Germany at a cost of Rs. 390/- , and lists are being drawn up for further orders as it is intended that the Garden collection of Florists' Flowers, Foliage plants, and ornamental Forest trees, should invariably have the names attached to the specimens.

10. STATUE GARDEN. Situated in a congenial locality of the Lal-Bagh this Garden in its remodelled state presents generally a very attractive appearence. The grass parterres thus encircling the statue have been completely returfed with Hariali; while the Motor Drive and the interior walks thoroughly remade with a stratum of the local---- "Laterite". The shrub border skirting the promenade all round has been opened out in some portion and replanted with flowering annuals. Groups of foliage plants such as Caladiums, Crotons, etc., have been inserted at intervals -- The western half is skirted by herbaceous border in the more shady parts where a large number of the more showy hardy perennials are being tried.

11. MINOR IMPROVEMENTS. This general item comprises a variety of details falling within the sanctioning powers of this office and the same include cost of labor employed, materials purchased, and minor buildings of an original nature undertaken independent of those connected with -- "Construction and Repairs". Principal among the purchases may be mentioned the following:- Garden Benches, a set of new flags, a fibre folding cane, edging bricks, for the various plots shield tiles for the Duck House, -- stone soil Bins erected in the Nursery, flat iron bars as edging to -- smaller grass plots. The more important of the minor works are the extension of the culvert and wire fencing of the Outdoor Nursery near the office, constructing an underground channel to drain off storm water -- from the old nursery.

~~NURSERY~~

12. GENERAL GARDEN IMPROVEMENTS. These comprise a variety of -- gardening

gardening works undertaken for the improvement of existing features or the formation of ~~the~~ new ones at desirable centres of the grounds. Chief amongst such works are the following:-

(a). In the interest of wheeled-traffic the carriage --- drive has been widened to admit of a free plying of vehicles and --- parking of the same thereon on the occasions of Horticultural Shows, Moonlight Bands, and other public entertainments. Several of the narrow footpaths and walks around beds and across grass lawns, respecively, were similarly dealt with.

(b). With the advent of the favourable season, the planting of trees and shrubs on a few prominent sides, which were otherwise looking bare, received prompt attention. The elegant tree Schinus - molle, planted on each corner of the grass plot opposite to the "Darwinia" and an avenue of Areca palm (Oreodoxa Regia) --- planted by the side of the Deer Paddock have improved the appearance, and added to the scenic effects of the grounds. A number of shrubberies opened on isolated plots with foliage and flowering plants are other features worth mentioning. When sufficiently grown up these shrubs of variegated leaves and flowers will add considerable interest shrubberies having so far been practically absent.

(c). The formation of rockeries at suitable centre of the Garden on ~~lines~~ lines referred to in the last Annual Report has been duly taken in hand. The well in the old Tree-Nursery has been dismantled and filled up as it formed practically an open Cesspool. In order to get the required soil the surrounding plot has been formed into sunk garden the rocked sides of it will be planted up entirely with ferns and the whole place as a natural outdoor fern garden will form a distinct feature when completed.

An underground channel to drain off the surface water has been constructed with the stones of the dismantled well.

Two new rockeries on each slope of the Bandstand Terrace facing the carriage drive have been put up for the special cultivation of ~~the~~ the collection of succulents which now contains a large ---

number of Genera and Species. A small rockery was constructed in the Loquat Garden for shade-loving foliage plants, and those around the Monkey ouse have been improved and replanted.

(d). A row of Soil Bins has been erected as an essential adjunct to the Tropical Nursery, where foliage, flowering, bulbous plants, etc., are propagated and cultivated. These bins contain the ready mixtures of soil for each class of plants in proper proportion and for the guidance of the working staff and the enquiring public. A list of the ingredients and their proportion, etc., has been provided to each Bin. This --- information is much appreciated by the visitors to the Nurseries to - whom the mixing of soils and manures has been generally a puzzle or a professional secret of their Calis.

(e). Some ornamental Garden Seats have been placed around a few large and shady trees; and they provide a long felt want.

13. PUBLIC WORKS DEPARTMENT. In the principal work of carrying out Architectural improvements the ready co-operation received from the Department of Public Works has been most helpful.

14. SEED DEPOT. Amongst the buildings, and in fact next in importance to the Albert Victor Conservatory constructed about 20 years - ago, is the Agri-Horticultural Seed-Depot erected in front of the Tropical Nursery and consists of a right and left wing separated by a central glass covered hall which forms a Plant House for the more delicate plants and is a suitable entrance to the Nursery as well as the both wings of the Depot. Each wing contains two rooms. The large one on the one side - being intended for the seed room while the smaller is occupied by the Clerks. On the other side the larger room is being fitted out as a Museum Bureau of Economic Botany where specimens of Economic products, - samples of manure, implements, specifications, etc., of types of Machinery and published information on subjects connected with Plant Industries is being collected and kept for public inspection and enquiry. The small room next to the Economic Bureau is kept for the Office of the Economic Botanist and it is proposed to add to this room a small Laboratory room and next to this, adjoining the Nursery Building, a small lean-to Glass House.

These

These adjuncts are very necessary for the efficient selection, testing and controlling of the seed, the necessary germinating tri ls and hybridizing work.

The ground in front of the building has been properly laid out with gravel plots lawn and shrubberies.

15. MONKEY HOUSE. Alterations to this enclosure have resulted in providing a number of additional cages for the comfortable accommodatio of the several species of the Monkey Tribe. The four detached rooms -- orginally standing at the corners of the House have been connected ith tile roofed apartments and the whole now forms a complete enclosure ith entrances and exits north and south. Small moveable doors have been pro vided in the partition walls of the several rooms which is an efficient - arrangement for the changing of animals from cage to cage with safety to themselves and the keeper in particular and greatly facilitate the proper cleaning. Substantial repairs have also been made to the wooden roofin of the old rooms; and with these improvements it may be said that all the inmates of the cages have been safely and securely housed including the Orang-Outang known to the local rural folk as 'Kadu Manushya', Jungle man

16. ALBERT VICTOR CONSERVATORY FRONT GATES AND THE PAID TANK. have received an efficient coat of painting , while some other improvements - have also been effected to the last named structure. The central wooden column has been removed and substituted with iron trusses to support the plank roofing as also the circular Masonary pedestal on which the pillar rested in the centre. The removal of these, more or less obstacles - before, has made the Bandstand more roomy and comfortable and greatly - improved its appearance.

17. COMPOUND ALL. The private land acquired for the extension of the Gardens has been securely enclosed by a Compound wall two feet from, and to a height of 8 feet from the ground, it is expected, the wall will prevent the constant trespass at that part.

18. RAILING ON THE WESTERN SIDE BALAMANIACUDI. The railing forming the western boundary of the Gardens as now extended has been continued on both the sides of the Balamanicudi Gate terminating at the new wall at

one

one end and passing over the tank waste weir to the bund on the other.

19. CONCRETE CHATTRAM ROOF. The thick stratum of earth spread on the slap of the pavement provided to the roof of the old Chattram was very leaky: and in consequence of rain water dribbling constantly during the wet season from above most of the young nursery seedlings reared on these stone staging below considerably suffered, and manures chemical - fertilizers,etc., preserved in the bins got damaged. To remedy this -- the layer of earth has been entirely removed and substituted with concrete roofing. The alteration has greatly facilitated the important work of propagation and cultivation of plants for the Tropical Nursery.

20. FOLIAGE HOUSE. A radical change to the roofing of this building undertaken at the later part of the official year has been in course of progress. The two rows of the old huge masonry pillars have been removed; and for purposes of free ventilation and sufficient light inside the house a raised ventilator overlooking the roofing supported on iron posts has been constructed running the whole length of the building while the remaining portion on both sides of the roof below has been glazed. Till the Orchid House is built this structure is being utilised as such but it is hoped that it will soon be available for the rarer foliage -- plants for which it is intended and which are now grown under adverse -- conditions precluding their proper and effectual development.

21. HOUSE FOR WATER FOWL. This is a conversion of an old Brownrigg ing Range formerly belonging to the Rose-Garden Nursery which has been removed to the Tropical Nursery. The building with slight alterations has been well adapted for the comfortable housing of the water fowls that are to be kept in the adjoining Tank the accommodation in the present aviary being quite inadequate.

22. GARDENER'S QUARTERS. Attached to this building has been newly -- built a tiled roofed shed for the accommodation of a stable and cooking room to tide over a long felt want.

23. ACQUISITION OF LAND. The acquisition of land for the extension of the Lal-bagh on the western side is not in accordance with either of the proposals referred to in the last report, as the area decided to be added

added at present measures only 75½ guntas or nearly two acres. ...ving been recently placed in possession of the land, this office, before the end of the official year was only able to remove the rank vegetation -- of scrub wood, closing pits and ruts, levelling the undulating portions of the ground and finally clearing a plot thereat for the cultivation -- of the several varieties of the Australian fodder grasses of which seeds were imported last year for the Sunkal Tank Experiment Station. The -- compensation payable for the land approximately amounts to a sum of Rs. 3,200-0-0; and all other particulars relating to its acquisition are mentioned ad verbatim in the following statement kindly furnished from the Revenue Department.

Lands Acquired for the Extention of the Lal-Bagh, Bangalore.

Name of the land holder.	Its No. according to Survey.	Extent A. G.	Compensation payable approximately.	
Shanbhogue Ramiah Service Inam.	No. 1.	- 31	1475-4-0	
Kitaramiah Sin ---- Iranyappa purchaser Sanjivaiah.	No.31.	- 20	1000-4-0	
Shanbhogue Ramiah purchaser Krappa. Portugee Ramiah.	Nil	- 0	300-0-0	This land formed a portion of Lal-Bagh lands and was given in exchange for the lands the respective owners taken up for the extension of the --- Lal-Bagh - Compound -- some years ago vide - Lal-Bagh - Superintendent's endorsements -- dated 17th May 1911 on the petition of Subbia
Subbia deceased son Ramiah.	Nil	- 15	675-0-0	

Rs. 11/- 1/7 11. The Fort & Gardens at Vasco, Arimpo tur,

Seringapatam, and Nandidroog, under the control of this office have been inspected at periodical intervals: and official visits were also paid to the Fern Hill Palace Ootacamund for advising on the garden -- and other improvement works undertaken thereat. A short visit to - Chennapatna in connection with the Industrial Exhibition held there - may also be mentioned.

25. FINANCE. The revenue derived from the sale proceeds of the Gardens is remarkably in advance of that of any previous year and comprises local and miscellaneous transactions, refunds and book adjustments. The aggregate sum thus realised is Rs. 7,417-7-5 of which the outstandings amount to Rs. 1,478-0-8. Deducting this and further a sum of Rs. 72-4-0 which represents book adjustments from the gross earnings as also a sum of Rs. 1266-6-9 paid therefrom for By-charges etc the actual balance realised in cash and remitted to the Treasury, including the gate collection of Rs. 904-8-0 on the occasions of the two Shows amounts to Rs. 5,000-7-11. and recovery of outstandings of the previous years Rs. 98-5-3 Rs. 5603-9-3. The surplus stock of Garden produce which includes trees, plants, cuttings, bulbs, flowers, etc., whilst being always sold as above is not unusually supplied gratis on requisitions from charitable Institution and Parks and Gardens under the charge of this office as well. The value of such issues amounts to an aggregate sum of Rs. 288-4-0. The upkeep of the Botanical Gardens with the all the improvements executed thereat cost a sum of Rs. 36,331-1-5 against the budget allotment of Rs. 38,762/-.

26. OFFICE. The personnel of the office has remained the same as in the previous official year with the exception of one or two changes. The Assistant Clerk's post attached to the Temporary Establishment fell vacant in consequence of A. Rangaramanar's resignation and was confered on S. Puthanna, the acting Head clerk of the office on the Permanent Establishment to which place K. Muniappa, the Garden Seed-Collector has been promoted. On the occurrence of the vacancy of the Clerk's Post in the Museum, S. Puthanna has been transfered to fill up the same. These are temporary arrangements as the permanent incurbent M.R. Siddarariah, of the latter office (Museum) continues to remain attached to the Lal-Bagh Temporary Establishment as Salesman and Record-Keeper. Subsequent to the these arrangements, the above place, namely, of the Assistant Clerk on the Temporary Establishment again fell vacant and could not be filled up till

till the close of the official year as a suitable candidate was not available. The post involves combined duties of advanced Type-writing and Stenography.

The entertainment of a Peon for the Basavangudi Gate was sanctioned; and the opening under the direction of the Government has been filled by the transfer of a supernumerary from the ------- Department of the Inam Settlements.

--------II. CUBBON PARK.----------

27. QUEEN'S STATUE. A note worthy event in the scheme of improvements of this domain and one long advocated is the removal to a reasonable distance, of the Police Station that stood in the close proximity to the Statue. The Station building was accordingly demolished and the site occupied by it has been merged with the Statue grounds. A piece of land measuring 222x 949 sq.yards is situated within the Park premises adjoining the northern boundary of the 'Prospect House' has been exchanged for the location of the new Police Station, the construction of which undertaken by the ------ authorities of the Civil and Military Station has been completed. The surroundings of the Statue being thus extended structural and landscape gardening improvements just put in hand thereat include the providing of ornamental railings, laying out lawns, shrubberies, flower gardens, &c., and also the widening of the roads which intersect at the locality. The latter, with the alterations and improvements so designed and effected commands the view of the "Square" laid out for the scenic embellishment of the Queen's Statue.

28. ACQUISITION OF LAND. The acquisition of the Hamlet of Sillubande and the lands skirting the south side of the Seshadri Road covering in all an area of 31 acres and 21 guntas has been sanctioned for the purposes of extending the Cubbon Park and forming an approach road to the Seshadri Iyer Memorial Hall located therein. The area to be acquired comprises 34 distinct plots with several subdivisions of garden lands in the holding of a number of private individuals

29. IMPROVEMENTS. The flower garden in fron of Museum has bee converted into a lawn of Hariali grass. New flower beds will be cut out as soon as the grass is properly established. With the adv of the planting season, a number of ornarental trees, shrubs, c., have been put down at desirable parts of the ground while hedging and fences kept under proper trim. A supply of new garden tool and implements badly needed has been secured by purchase.

To prevent trespass into the lawns- a standin act of nuisance in the park- all the unsightly tracks have been ploughed and otherwise blocked up by trenches cut at intervals and surrounded by shrubberies. These obstacles seem to produce the effect desired to some extent. A permanent building has bee constructed at the south-west corner of the Park by the Public--- Works Department to provide accommodation to Restaurant for the use of employes of the Public Offices.

30. FINANCIAL REPORT. The budget provision for the upkeep of the Park is R.1,788/- while the actual expenditure amounts to R.1,60[illegible]. With this small outlay the extensive grounds have been economical maintained in a tolerable state of efficiency. Sale proceeds realised from fuel, fruit crops, and grazing amount to R.502-7-0, the last being as usual the principal item of revenue.

The temporary charge of the land behind the District Office Compound acquired for the building of Law Courts continues. Grazing and Mango crops sold thereat fetched a sum of R.72/- duly p id into the Treasury

----------III.Daria Dowlet Bagh, SERINGAPATAM.----------

31. VISITORS. That Seringapatam with its historic renown always attracts the foreign visitors goes without saying; and the claim of the Daria Dowlet Bagh as one of the places of interest and publi resort is never overlooked. During the period under report the Garden has been honoured with a visit by His Excellency the Viceroy and Governor General of India and party. Amongst other

distinguish

distinguished visitors may be mentioned His Excellency the Governor ' adras and several State Guests including Native Chiefs, Rulers, and other notabilities who attended the late Royal wedding at ysore.

The Royal farily of ysore continue to occasionally grace the Gardens with their visits. Sight seers and Scientific visitors were more than usual.

32. Improvements. A shrubbery has been planted on the bare piece of ground near the TENNIS COURT; but the growth of the plants is impeded by the rootlets of the Golden Bamboo of which a clump stands close by. But for the ornamental and smart appearance of the latter occupying a prominent position of the ground the clump would have been removed. A similar plot of ground behind the Fernery has been planted with Roses and Pomegranate trees which have made a good start.

The group of Colvillea racemosa planted one on each side at the end of the northern central walk near the Kitchen has been growing very rapidly and will be a striking feature of the Garden when in full bloom.

33. ECONOMIC CULTIVATION. Chief among plants of economic value introduced into the Gardens are, Rubber, Rhea, and Sisal. A plantation of the latter is being started on the dry waste land behind the ----- Nagarhole and it will serve as a useful object lesson to the local raiyat and experimentalist.
33A. Experimental Cultivation Vide next page)

34. ESTABLISHMENT. This remains the same as in the previous year except the transfer to the Curzon Park, Mysore, of Ramiah, [illegible], who has been succeeded by Head Gardener Somma.

The Garden Exhibit of foliage plants has been awarded a certificate of Honorable mention at the Dasara Industrial and Agricultural Exhibition. Two of the Garden bullocks became unserviceable through old age and subsequently one of them died of cattle disease. The surviving bullock has been sold and a new pair purchased at a cost of [illegible]/-

EXPERIMENTAL CULTIVATION.

334. The land selected for the experimental cultivation of vegetables - partly leased out for several years on private tenancy had to be taken over, with a large tract of jungle consisting of pits, ridges, and waste plots. This had to be levelled to an irrigation level, and the whole ground laid out in plots made arable. A fence has been put up all round ; and of the 24 distinct vegetables of both indigenous and introduced kinds grown may be mentioned the following :- Beans, capsicums, knol kohl, Brinjal, Bitter gourd, Cucumber, Radish, Beet-root, Turnips, Coriander, Vegetable marrow, ~~Lettuce~~ Lettuce, Tomato and Sweet Potatoes. Cabbage, Cauliflower, Peas, Onions, Carrots, etc., rotted and many suffered from saturation of the ground by excessive rains.

While in the dry season the water supply from the Vangardoddi channel practically failed. The ground requires a good deal of working up ere cultivation can be carried on under normal conditions. Under these circumstances it was not possible to obtain reliable data. The results obtained from the work are :- that the whole ground formation has been prepared- the men have gained experience, the ground has been physically improved, requirements for drainage and an independent water supply were ascertained and scheres for same are being prepared.

The cost of the establishment amounts to Rs.327-15-0 manure and wire for fencing have been purchased at a cost of Rs.117-0-0. The total outlay on the experimental cultivation as carried on at the above Gardens aggregates a sum of Rs.444-15-0 against the allotment of Rs.450/-. A small sum of Rs.63-1-1 has been realised from the sale proceeds of the above vegetables.

35. FINANCE. The discontinuance of paddy cultivation at the Garden has seriously affected its revenue which has, during the year under report, fallen down so low as a sum of R°.679-3-0 realised from all other minor items viz. mango and tamarind crops plants, flowers firewood &c., against a sum of R°.1,025-0-4, recover-ed in the previous official year. The realisation does not include cost of plants issued free to the other Gardens of the Department. The upkeep of the Daria Dowlet Bagh under all headings of expenditure has cost a sum of R°.2,378-4-6 against the grant of R°.2,438/-

----------IV NANDI EXOTIC GARDENS.----------

36. The efficient maintenance of this nursery and of the bridle paths connected therewith has received careful atten-tion. A portion of the ground has been thoroughly dug over and properly weeded, and a small plot cleared for the cultivation of potatoes. The Fruit-trees were properly overhauled, pruned and thinned out where necessary and a plot for planting new kinds has been prepared The sale proceeds from fruits &c., amount to a sum of R°41-0-7-while at an actual outlay of R°.594-4-0 the upkeep of the whole Nursery has been managed against the usual budget grant of R°.532/-

------- ----V.GORDON PARK, MYSORE.----------

37. IMPROVEMENTS. The iron fence provided around the Flower Garden in front of the Public Offices has proved to be an effici-ent means of protection from trespass and damage committed by stray cattle; and in consequence the Shrub border, the lawns and Flower beds have been kept more effectively this year. Small Shrubberies opened on bare scattered sites of the south-east maidan have improved the landscape view of the grounds generally; but the poor nature of the soil aggravated by scarcity of water prevailing particularly during the hot months of the year at this elevated part of the Capital seriously retards satisfactory growth of these ornamental plants.

Liberal application of manure to the roots of stunted trees during the wet season has been very beneficial.

38 PLAY GROUND. Permission for the extension of the play ground area while being appreciated by the players including several local students and leading citizens has on the other hand tended to the whole ground being made a thorough-fare.

A strong effective fence to prevent trespass into the Park from the side of the Yelwal Road is a long-felt desideratum and can only be supplied when the necessary funds become available.

39 FINANCE. The maintainance of the Park has cost a sum of Rs.3,994-11 against the budget grant of Rs.4,266-0-0. The sale proceeds from fuel, plants, &c., amount to Rs.40-4-3.

-IV-

VI. CURZON PARK.

40 STATUE. The work connected with the location of the new Statue of His Highness the late Maharaja of Mysore on the same place where the former one stood in the Park has been in progress and the base has been completed. Decorative groups of plants are from time to time being arranged on the spot in view to relieving its bare appearance during the occasions of Royal festivities and Public entertainment.

41. WATER DIFFICULTY. The total absence of a water supply is a continuous difficulty. The suggestion made by the Water- Works Department to secure a permanent supply of water for the Park from the Doddakere Tank has been approved by Government and it is hoped the work will be taken in hand before long.

42 IMPROVEMENTS. The ornamental Gates provided to the north and east entrances to Block I in place of the temporary wire-entanglement have improved the general appearance of the place. The removal of the raised circular mound and the formation of a grass plot thereon are improvements to Block II. The northern portion of this Block occupied by the Town-Hall in the vicinity of which the Municipal Depot is located is rendered untidy on account of the

the debris and unserviceable Municipal plant.

43. FINANCE. A sum of R. 392-5-6 has been realised from the sale of the Park produce, of which the chief item is grass. Against the budget allotments of R.3,212/- the actual expenditure for the upkeep of this important Park amounts to only a sum of R.2,466-8-3.

. . . . . .

VI. ADDITIONAL CHARGE AT MYSORE.

44.

This comprises the following:-

Private Secretary's Quarters, Government Buildings on Yelwal Road. Law Courts, and Military Assistant's Quarters.

Beyond the usual upkeep nothing of importance has transpired in the management of the above grounds except the first where the gardens have been improved and extended by the acquisition of more land. The situation of this garden on a prominent place in close vicinity to the Pleasure Palace rendered the improvements desirable and necessary. At an aggregate net outlay of R.1033-4-the above grounds have been efficiently maintained against the budget grant of R.1378-0-0

45

SUNKAL TANK STATION.

During the year under report a complete fence has been erected round this station and the whole planned out into the proposed plots, with Roads, Buildings, etc., whilst officially in charge of this Department the Drainage work was in full swing and the place was practically in the hands of the Sanitary Department. Though the bund is breached at the outlet of the new Drainage channel the soil is heaped upon both sides and joining with the bund the whole now forms two tanks instead of one. No earth work for levelling the area had been done nor was the sewage channel and the sceptic tank put under working so that it was impossible to start cultivation there this year.

P A R T II.

PLANT NOTES AND EXPERIMENTAL CULTIVATION.

As will be seen from Appendix C, the introduction of seeds and plants by exchange with other botanical institutions throughout the world has received continuous attention.

Over 1,800 kinds, new to our collections, were received mostly of course as seeds but a very satisfactory percentage has been successfully germinated.

ORNAMENTAL PLANTS:- Under this class some very interesting additions have been made both in the way of rare species as well as some of economic value such as the oil-palms and several that yield the vegetable ivory.

The collection of fibrous-rooted Begonias has been enlarged by a fine contribution from the Royal Botanic Gardens, Kew.

Orchids new to us were received from different sources.

The succulent collection has been enlarged principally in the Genus, Agave, Opuntia, Mesembrianthemum and Sempervivum nearly all received from Lady Hanbury's Garden at La Mortola, Italy.

The collections of flowering plants such as Dahlias, Tuberous Begonias, Fuchsia, Gladiolus, Amaryllis, etc., etc., have been considerably enriched by new varieties obtained by purchase. In the case of Geranium and Fuchsia there were some losses in transport but everything else has been successfully established.

HYBRIDISING:- A good deal has been done in hybridising those of the newer flowering plants as have been proved to do well here and retain their characters constant. It is too early to single out anything as by the end of the official year seeds had only been collected; but Amaryllis might be mentioned as not only were the parent plants selected some of the most showy specimens but the seeds were sown ---

sown immediately germinated well, so that we have many hundreds of small bulbs of their progeny of which a large percentage is bound to be as good as the parent plants and a small percentage may reasonably be expected to be better.

The fine Furcraea variegata mentioned in last years report -- para 134 under 'succulents' and which was distributed and reintroduced to Commerce from the Lal-Bagh has now been described and illustrated by Dr.Trelease in the annals of the Botanic Garden, Buitenzorg, Java.

Another beautiful plant not known outside the Bangalore is the rose-coloured Bougainvillea. I have carefully traced its origin. It is a natural hybrid between B.glabra variety and the brick-coloured B.lateritia and the two parent plants stood close together on the main lawn in the Palace Garden, their branches intertwining.

Below the B.glabra were found some 10 or 12 years ago a number of young seedlings which the Laroga potted and subsequently planted out in the grounds. Several of these flowered pink and the existing plants in the Lal-Bagh, Palace and the Residency gardens are the -- layers of these.

From the fact that the B.glabra was the most rampant grower -- and that all the seedlings were found beneath it, it is fairly certain that it (B.glabra) was the seed parent and the B.lateritia the male or pollen-parent.

There are several distinct shades of pink but two varieties are of special merit and the stock of these is being worked up with a view of introducing them to commerce.

One of these is to be named after His Highness the Maharaja and two other plants have already been named "The Maharaja of Mysore" viz., a variety of Gladiolus and a very fine dark-red Amaryllis crossed.

69. ECONOMIC.-

MANGOES.- During the last year I am glad to note many planters in South India have come to recognise the possibilities of the

of the ~~ceara~~ Ceara Rubber, and the Manicobas, being superior varieties of the Ceara, are now in great demand.

No less than 200,000 seeds have been imported from Brazil last - year and distributed through our Seed-Depot. Unfortunately the seeds, which to all appearance quite sound and up to weight (there were only about 3 to 4 per cent of lights among them) failed in all cases to germinate. This was also the case with large quantities of seed - imported by other dealers or growers in Ceylon and India and one might infer that the Rubber boom has somewhat dulled the morals of even the native collector in the deep Brazilian Forests.

It is pretty certain that we have to depend for seed on the -- young trees now growing in India and it is pleasing to know that the bulk of the parent trees that will supply the first indigenous seed in India have been introduced and distributed by the Lal-Bagh.

Of the first introduction from Kew (50 plants) I distributed 3 years ago 38 to planters of North Mysore, South Mysore, Cochin, Travancore and the Nilgiris.

The following year Kew again sent out seeds (100-300) to various Botanic Gardens, partly direct, partly through Calcutta. I at once applied to both Institutions for more and in addition to the few --- hundreds already received obtained a further consignment of some two thousand. Of these about 500 were sown in the Lal-Bagh and the rest distributed. The reports received both on the plants and seeds thus sent out are very favourable and as records to hand show that the first -- distribution from other Gardens was very small compared with ours. I hope I am not far off the mark in saying that the first Indian-grown seeds will will be chiefly from the parent trees distributed from the Lal-Bagh both in shape of plants and seeds.

CHAYULE RUBBER :- This is a scrub rubber growing in Mexico over large sandy tracts, and several companies formed for its exploitation are making ~~at the~~ large profits as the quality of the Rubber is said to - be very good.

It is

It is, however, a question how it will succeed in cultivation. Our seed was received from Kew and germinated well, the plants now being about 6 inches high. Another years study of its growth will enable us to give a more definite opinion as to its possibilities; ought, however, to make a very suitable plant to interplant with Sisal or other fibre as it would then allow wider planting of the fibre -- plants without wasting ground and as the fibre comes to bearing size - the Rubber bushes ought to be fit to cut.

All the Rubbers introduced in previous years and mentioned in --- paras 143-145 in last years report are doing well and small number -- have been distributed to many planters. It is, however, desirable to plant out a good number during the coming year in the various districts and the Forest nurseries which I understand are widely distributed would be suitable places. Other plants generally classed with Rubber are those yielding Guttapercha. During the year under report seeds of such have been obtained from Java and Singapore but so far only - Palaquium gutta (or Isonandra gutta) has germinated.

50. GENERAL ECONOMICS. Of gums, resin, medicinal plants, etc., quite a number have been introduced and some planted out in the Garden. Two very expensive Balsams ie, Liquidambar styraciflua, the Styrax --- Balsam and Copaifera officinalis, the Copaiva Balsam may be mentioned.

FIBRES. A sample of the new fibre Asclepias semilunata has been - submitted to a commercial expert in Hamburg and he values the same -- at £25 but says that if larger samples better cleaned can be sent it might fetch much more, the fibre was in fact valued in London at £ . per ton. The cleaning by hand is rather difficult, being of very - silky texture it is easily broken so that in preparing a sample one - has to contract with either short staple or somewhat imperfectly ---- cleaned threads.

It is intended to send the next sample as ribbons (or the whole -- bark uncleaned) such as is done in the case of Ramie.

ZAPUPE PLANT:- The small number of plants obtained in the previous years are doing well and some 80 more have been received this year so

Read

so that when all these come to bearing propagation will go on fairly rapidly.

COTTON.- Seeds of about a dozen hybrids were received from the Imperial cotton Expert. They chiefly consist of crosses between - Dharwar and American varieties. They have been sown with a view -- to find out whether or not cotton can be grown on the laterite soils of Mysore.

The first batch has been just put in the Lal-Bagh nursery where the soil is gravelly but has been well cultivated . The chief object - will be to get in the first place all the acclimatised seeds possible and then extend the cultivation of these to even more laterite-soils. The plants are growing well but are as yet too small to give any clue as to the eventual results.

FOOD-PLANTS:- Tapioca :- The cuttings imported last year --- failed but another collection of more ripened prices was obtained from the Botanical Gardens, Poona and these have been successfully established the plants being now about 5 feet high. The collection consists of 58 named varieties and includes all that are known in India.

Potatoes, Yams, Jerusalem Artichoke and other tuberous plants - are all kept under cultivation with a view to more extensive and regular experiments when the Gunkal Farm is available.

SOYBEANS :- This vegetable has been largely cultivated and -- distributed to inquiring ryots and planters.

TROPICAL FRUITS.:- Considerable additions have been made in this class, amongst the kinds of which young plants are now in good growth in the nursery I may mention :-

Anona palustris ..	..	the Alligator Apple
" muricata ..	..	the Sour-sop
Chrysobalanus Icaco	..	the Coco-plum, Spanish-nectarine
Eugenii caryophyllu	..	the clove
Casimiroa edulis	..	the "Zapote blanca" of Mexicans
Eugenii michelli	..	the Pitanga
Vangueria edulis	..	Voa-vanga

and others

VINES. A very interesting collection of all the grape vines (some 40 kinds) grown in New Zealand were obtained from the Director of Agriculture of that country. All the plants are grafted on phylloxera-resisting stock so that when these are in cultivation we shall not only have a good collection of vines but also be able to propagate the stock-varieties for grafting indigenous or previously imported varieties and so help to make immune some of the better varieties in case of accident the Phylloxera should be imported. All the fruit trees previously imported and mentioned in last years report including the wild fruit from our jungles are doing well, but being mostly grown from seed it will take years for them to come to a fruiting stage, so unless any of them prove unsatisfactory in their cultivation and are discarded no further mention need be made in the interval.

GREEN MANURES. A number of plants have been grown with a view to find out which of the various leguminous weeds would (a) be suitable for this climate and (b) would furnish the largest quantity of herbage and (c) to obtain larger quantities of seeds of these than can generally be gathered from wild plants.

The principal kinds in cultivation are :-

Mucuna pruriens.
Mucuna Pruriens variety utilis.
Crotolaria striata.
Crotolaria cajanaefolia.
Desmodium oralifolium.
Leucaena glauca.

Mucuna pruriens is the Velvet Bean and its seeds seem difficult to obtain and this is therefore chiefly cultivated for seed supply. All the others will be partly cut down when near the flowering stage i.e., when the leaf-crop is in its best so as to get the comparative outturn of green herbage while the rest will be kept for seed. It is easy to see from their growth that Crotolaria striata is by far the heaviest crop and again of the two plots in which seeds from Singapore and Ceylon were sown separately the former is much larger than the latter.

For green manuring it is important to make use of the weeds that naturally grow wild within the locality and for that reason more of the Crotolarias indigenous to Bangalore and districts are being collected for

further

further trial both for field cultivation as well as for plantations for the latter, whether coffee or rubber it is necessary --- that the weed should be able to reach a fairly mature age with a good leaf-crop while growing in the shade.

In this connection I must mention that, for want of --- space most of these leguminous plants are grown in between the --- lines of the cottons mentioned in para and the successful growth of the latter may be due in a great measure to this -- fact. However, this will be fully ascertained in the next ---- series of experiments when we have more seed both of the weeds --- and of the cottons so as to split the experiments up.

This is one of the difficulties in experiments with --- new or wild plants. While in ordinary agricultural experimental work seed of established crops is always available in any quantity that may be necessary to conduct a whole set of experiments for -- solving a problem in case experiments with little known tropical-- fruits of distant countries, as also indigenous jungle fruits ---- it is very difficult to get even small quantities of seeds of -- which a large percentage goes bad ~~lead~~ on the long voyage and -- of those that germinate it takes many years before the trees are - at an age that something can be done with them. Similarly -- with such new crosses as the cottons or the case of the weeds ---- to be taken up for cultivation seeds are generally so sparse that --- the few obtainable have to be cultivated solely for getting ---- larger quantities to work with.

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Economic Botanist,
SUPERINTENDENT, GOVT. GARDENS
IN MYSORE.

Summer Show. Appendix A.

JUDGES' REMARKS.

Classes I. II. III. ----------

" The exhibits compare very favourably with those of previous years. The Standard Roses, Double Geraniums, Cannas, Tuberous-be-rooted Begonia Pansies, Dahlias and Petunias were exceedingly good. The fine exhibit of new varieties of Amaranthus was a novel feature of the Show. Special prizes were awarded for Caladiums and Gloxinias. The Judges desire to draw attention to the fact that the rule restricting the number of exhibits in any one group does not appear to have been ~~adhxxxxxdx~~ adhered to, and neglect of this rule has in some cases led the Judges to withhold prizes which would otherwise have been awarded, and in others has rendered the task of judging more onerous than it need have been. It is to be hoped that in future, exhibitors will strictly adhere to the rules laid down in the prospectus. The Judges consider that in some cases the permissable number of exhibits in certain groups might with advantage be increased. "

Class IV.

" The Show was quite up to the standard. Competition in most groups especially in the Bouquets was keener. ~~Ikx~~

The Judges regret that the frequent remarks regarding the stiffness of the boucuets are still unheeded and think that the introduction of a little delicate colour with the white would be a great improvement.

Roses were hardly up to the mark, while Dahlias were exceedingly good. It is a pity that there was not more competition in the Table Decoration both amongst ladies and butlers.

A special prize was awarded for a very nicely arranged basket and the judges will be glad if this class is better patronised.

The cultivated cut flowers would be far better exhibited if they were kept well separated. "

C l a s s V. [illegible]

" The exhibits were, as a whole, up to the standard of previous years but many of the fruit exhibits were hardly in condition for tables, being frequently under-ripe and more attention seems to have been devoted in securing a good appearance than to developing the flavour. In the case of the apples particularly, the Judges would point out the haphazard style in which the baskets stated to contain different varieties are made up and they recommend that in future each basket shall contain only one variety and be marked with name of variety.

It is suggested that there shall be a special prize for Lemons as at present competitors exhibit Lemons as limes and some confusion appears to exist. The growing of a good variety of Lemons is to be encouraged.

The feature of class V was the fine exhibit of Australian Washington Navel Oranges grown in Bangalore by the Mysore Fruit Syndicate Ltd., and the Judges congratulate the growers on the introduction of such a fine and new variety of Oranges into India. They recommend that the Silver Medal given by the Government of H.H.the Maharaja of Mysore be awarded to the Mysore Fruit Syndicate for the above exhibit the name being a meritorious novelty."

C l a s s - VI. Vegetables.

" The winning exhibit of potatoes from imported seed was good. Potatoes from acclimatised tubers were good. The best exhibit however for which we awarded first prize need not have been mixed by the exhibitor with a lot of inferior stuff stoved away in the bottom of the baskets.

Cabbage not good-- as none qualified no prize was awarded.

Lettuces distinctly poor--very poor heart and what there was rotten and hardly fit for consumption.

Endives distinctly better than last year.

Peas were rather good and there was very little to choose between the different exhibits.

Turnips were excellent.

Class VI. Vegetables Cont:-

Knol-khol were good.

There was only one exhibit of Asparagus and that was poor.

There was no exhibit of Custard Marrow.

Tomatoes were good and for one exhibit although the requisite number was wanting we recommend a prize therefor on account of excellence.

Cho-cho exhibit was fairly good.

The Yams were very poor indeed.

The collection of English vegetables was distinctly good.

Hurilikai - Beans- were very good. Of the class of exhibits from private gardens, Tomatoes and Radishes were very good indeed. Comparing with the exhibits of last year however we are of opinion that there has been a fall in the quality and quantity of the collection. Failure of rains at the proper time of the year is responsible for this"

C l a s s - VII

" The only feature deserving of special mention was the collection of garden furniture exhibited by Messrs:Moonisawmy & Sons,. The Judges have awarded a special prize of R. 10/- to Messrs: Karnick & Co., for their exhibit of Agricultural and other implements."

C l a s s - VIII- The Floral Parade.

" The Parade formed a very pleasing and effective incident in the Flower Show and there were not only more competitors but the decoration on the whole were more tasteful than last year. The two misses: —— Krumbiegel were declared first but as they were not competing, the prizes were awarded as follows:-

I Miss Florrie Childs for a very tasteful decoration with crimson Zinnias.

II Doris Farmer, decoration in yellow Zinnias,

III was divided between Miss Louis and Coral Babington.

An extra prize was awarded to Miss Stotesbury.

It is greatly to be desired that the young ladies will in future shows, turn up in still larger numbers. In one or two cases the dress of the competitors were not quite in harmony with the colors of the flowers.

Winterthur

JUDGES' REMARKS.

------(Classes I & VII) --------

"The Palace exhibits did not enter for competition but they are very good and give distinction to the collection.

Considering the time of the year, the collection of Foliage plants seems very satisfactory. The rare Foliage plants are a notable feature.

The Judges wish to make a special mention of the Country made Garden Tools and Implements exhibited by ~~M/s~~ Moonisawmy & Sons.

Flower pots and Ornamental pottery deserve special encouragement in future shows."

(Classes II & III).

"CLASS II. (1) Standard Roses not up to ~~rank~~ much, only II 2nd prize given.

(9) Fuchsias ~~good~~ poor - we would refer the exhibitors to rule No.5.

(19) ~~(3)~~ Amaryllis - a special ~~prize~~ was given of R°.3/- refer rule No.5.

(20) Exhibits very poor.

(21) Special (Refer rule 5)."

"Class III. (1) No. I took prize by better arrangements and quality the second lost by bad arrangement.

(3) given special.

(4) " "

(11) Special ~~(~~ refer rule No.5~~)~~

(13) Very poor, no prize.

The Pansies were very good but some lost by overgrowth. We would recommend that in future shows that a green wooden partition should be put up between each exhibit and that in future each group should be in one group instead of on both sides as in the case of the single Petunias No.7 Class III as this causes a good deal of difficulty to the Judges and effects are lost. This we are sure is due to the exhibitors being late in bringing in the exhibits and failing to enter ~~show~~ them before ~~hand~~ and receive space before-hand."

JUDGES' REMARKS. (Class IV).

" The cut flowers, as a whole, show exceptional merit especially considering the high winds prevailing during the last few days. The Roses are a particularly good class. The Bouquets show taste but the sweetest Bridal Bouquet should be much lighter. In view of the so-called Roses the Table representing the ~~g~~entente-cordiale- is deserving of special notice. "

(Sd)Mrs.E.F.Weir,
" Mrs.Anstead,
" Mrs.Hay,
" T.B.Copeland,
" W.F. Smeeth,

----(Class V).----

" The fruits exhibited ~~are~~ were well up to the average. As regards apples the number of varieties did not correspond to what was asked for in that class of exhibits and the prize was accordingly halved. The Strawberries were distinctly good but there was a want of variety in the exhibits. There is room for improvement in the Peaches both in quality and size. There were three entries for the collection of fruits of all kinds all of which contained a large number of variety. The collection to which the first prize was awarded contained the better quality ~~of~~ of fruit. A special prize was given for a basket of Citrons

(Sd) J.Weir,
" Capt.C.Hodson,I.M.S.
" M.A.Meredith,

----(Class VI).------

" In view of the complete failure of the North-east Monsoon, the collection of the vegetables may be regarded as decidedly good. Special attention may be directed to the following exhibits:- Nellavarakayee, Budikumbalakayee, Potatoes, from acclimatised tubers, Tomatoes and Cauliflowers. No special prizes have been awarded in a few cases. The improvements effected in the general arrangements of vegetable ~~stalls~~ stalls deserves special mention."

(Sd) Alfred Hay,
" H.Ramiah,
" P.S.Achyuta Rao.

Appendix B.

D O N A T I O N L I S T.

&&&&&&&&

Donor.	Entry No.	Donation.
G A R D E N.		
Agrostologist and Government Botanist, Dept. of Agriculture, Pretoria, T r a n s v a a l.	60 - 10	20 bulbs of Kaempferia Sp.
Arboricultural Expert, Dept. of Agriculture, Eastern Bengal And Assam, Dacca.	139 - 10	1 Packet seed of Ficus elastica.
Botanist, North Carolina Dept. of Agriculture, Raleigh, U. S. A.	104 - 10	1 Packet of Casaba Melon seed.
Curator, Botanic Station, Dominica, West Indies.	3 - 10	1 Packet seed of Copaifera officinalis.
	31 - 10	3 Packets of seeds.
Curator, Botanical Gardens, Bassein, Thana District, Bombay Presidency.	28 - 10	30 Plantain Suckers.
Curator, Botanical Gardens, Port Darwin, S. Australia	54 - 10	12 Packets of Seeds.
Curator, Botanic Station, Nassau, Bahamas, W. I.	57 - 10	1 Packet, Achras Sapota seed.
Curator, Botanic Garden, Dahlem, Steglitz, Via Berlin, Germany.	64 - 10	37 Bulbs of Helianthus macrophyllus, Willd.
Curator, Hanbury's Botanic Garden, La Mortola, Ventimiglia, Italy.	130 - 10	110 Packets seeds, mostly of succulents.
Curator, Government Botanic Gardens, Ootacamund.	55 - 10	3 Packets of seeds.
	154 - 10	1 Oz seed of Cupressus sempervirens.
	157 - 10	1 Oz seed of Passiflora edulis.
Director, Royal Botanic Gardens, Kew, E N G L A N D.	1 - 10	1 Packet seed of Pilocarpus racemosus.
	75 - 10	1 Packet seed of Meconopsis Wallichii.

Donor.	Entry No.	Donation.
Director, Royal Botanic Gardens, Kew.(Contd)..	123 - 10	22 Packets of seeds of kinds and Helianthus tubers.
	146 - 10	3 Packets of seeds.
Director, Public Gardens, Jamaica, West Indies.	5 - 10	48 seeds of Hymenaea courbaril.
	13 - 10	1 Packet seed of Quassia amara
	30 - 10	12 seeds of Cola acuminata.
		13 " " Casimiroa edulis.
	63 - 10	1 Packet seed of Catesbaea spinosa.
Director, Forests and Gardens, Port Louis, Mauritius.	9 - 10	7 Packets of seeds.
	53 - 10	2 " " "
	80 - 10	3 " " "
	120 - 10	3 " " "
	138 - 10	1 Packet seed of Ravenala Madagascariensis.
Director and Government Botanist, Botanic Gardens, Sydney, New South Wales, Australia.	12 - 10	3 Packets of seeds.
Director, Royal Botanic Gardens, Peradeniya, Ceylon.	17 - 10	1 Packet seed of Mesua ferrea.
	23 - 10	7 Packets seeds of sorts.
	102 - 10	5 Packets of seeds.
	163 - 10	1 Packet seed of Passiflora quadrangularis.
Director and Government Botanist, Science and Agricultural Dept, Georgetown, Demarara, British Guiana.	16 - 10	4 Packets of seeds.
	21 - 10	2 Packets of seeds.
	32 - 10	2 Packets of seeds.
Director of Agriculture, Botanic Gardens, Aburi, Gold Coast, West Africa.	29 - 10	5 Packets of seeds of sorts.
Director, Missouri Botanical Gardens, St. Louis, U.S.A.	40 - 10	1 Pkt. Seed of Cliostoyucca arborescens
	148 - 10	40 Packets of seeds of kinds.
Director, Experimental Station, Dar-es-Salam, German East Africa.	42 - 10	3 Packets of seeds.
Director, Botanic and Domain Gardens, Melbourne, VICTORIA.	46 - 10	15 Packets of seeds.
Director, Fields and Experimental Farms, Wellington, New Zealand.	62 - 10	82 Vines and 70 Vine cuttings of sorts.
Director, Botanic Gardens, Groningen, Holland.	70 - 10	1 Packet Salvia sclarea seed.
	94 - 10	1 " Welwitschia mirabilis. Seed
	124 - 10	14 Packets seeds of Kinds seed
Dunhill, Miss., Cubbon Hotel, Bangalore.	71 - 10	1 Packet Pinus Gerardiana (Chilgarjee).
Director, Forestry and Scientific Dept., Entebbe, Uganda, East Africa.	47 - 10	1 Box Funtumia elastica seeds.
	48 - 10	5 Packets of seeds.

Donor.	Entry No.	Donation.
Director, Forestry and Scientific Dept.,Entebbe, Uganda, East Africa (Contd).	86 - 10	1 Packet seeds of Landolphia Dawei.
	135 - 10	6 Packets of seeds.
Director, Dept.,of Agriculture, Buitenzorg, J A V A.	77 - 10	10 Packets of seeds.
	89 - 10	1 Packet Garcinia Mangostana.
	122 - 10	3 Packets of seeds of kinds.
	147 - 10	1 Packets Palaquium Gutta seed.
	159 - 10	3 Packets of seeds.
Director of Agriculture, C Y P R U S.	90 - 10	1 Packet seeds of Maclura aurantiaca. 12 Rose plants.
Director, Botanic Gardens, Rio de Janeiro, Brazil.	129 - 10	16 Packets of seeds.
District Forest Officer, Kadur District,Chikmagalur.	129 - 10	1 Small basketful of roots of Kadu Shunti(Zingiber officinale.).
District Forest Officer, Kolar District, Kolar.	131 - 10	1 Small basketful roots of famine foods.
Director, University Botanic Gardens, Budapesth, Austria-Hungary.	132 - 10	55 Packets of seeds.
Director, University Botanic Gardens, Zurich, Switzerland.	134 - 10	27 Packets of seeds.
Director,University Botanic Gardens, Copenhagen, Denmark.	141 - 10	116 Packets of seeds of kinds.
Director, Botanic Gardens, Karlsruhe, Baden - Baden, G e r m a n y.	142 - 10	77 Packets of seeds of kinds.
Director, Botanic Gardens and Museum, Paris, France.	143 - 10	63 Packets of seeds of kinds.
Director, Botanic Gardens, Madrid, Spain.	144 - 10	203 Packets of seeds of kinds.
Director, Imperial Botanic Gardens,St. Petersberg, RUSSIA.	149 - 10	54 Packets of seeds of kinds.
Director and Government Botanist,Botanic Gardens, Sydney, N. S. Wales.	151 - 10	32 Packets of seeds.
Delany,Mrs. M.,Port Mouvat, Port Blair, Andamans.	161 - 10	Palm seeds (without names.)
Forester, Marikanave, Chitaldrug District.	79 - 10	Famine foods.

Donor.	Entry No.	Donation.
Greer,Esq.,R.M..British Vice-Consul,Tuxpam, Mexico.	61-10	29 Zapupe suckers.
Grey,Esq.,Chas,Coonoor,Nilgiris.	74-10	1 Fruit of Phyllocactus.
	76-10	5 Packets of seeds.
	81-10	1 Large packet Cassia didymobotrya seeds.
Hanson Mrs.M.c/o Supt. of Post Offices, Shimoga.	100-10	A collection of orchids and ferns.
Iyer,Esq.,R.N.,Building Contactor Maymyo, Burma.	4-10	125 Unnamed orchids.
Krishnaswamy Chetty,Mr.M. Head Clerk,Office of the Economic Botanist,Supt.Govt.Gardens, Lal-Bagh,Bangalore.	72-10	2 Packets seeds of Cuddapa melon and seeds of jungle fruits.
Kemball,Esq.,H.V.R.,Club of Western India,Poona.	121-10	1 Small tinful seeds of -- Poinciana elata.
	39-10	2 packets Mucuna Seeds
Manager,Medical Nursery,28-3 Beadon Row,Calcutta.	162-10	2 Packets Velvet Beans in - 2 varieties.
Oakes,Esq.,George Downham Orchad, Ootacamund.	14-10	Seed tubers of Blackskin Potatoes.
	67-10	18 Plants of sorts.
		80 Named Rose cuttings.
	73-10	1 packet seed of Tagasaste.
	78-10	56 Bulbs unnamed.
		8 Bamboos of sorts.
	106-10	2 Packets seeds of Brazil Cherry of sorts.
Planting Expert,Department of Agriculture,in Madras, Bangalore.	107-10	1 Packet seeds of Clitoria ternatea(Double Blue)
	113-10	2 Varieties of Abelmoschus esculentus.
Rundolph,Esq.,P.O.1003 North 50th Street,Seattle, Washington. U.S.A.	24-10	1 Packet seed of Lewisia cotyledon.
Range Forest Officer,Chennagiri Range,Chennageri.	68-10	Bulbs and seeds of famine foods.
	140-10	1 Small bag of Diospyros tupru seeds.
Rita, Esq.,S.E.Rose Cottage, Upper Shillong.	111-10	1 Packet seed Luculia - gratissima.
Range Forest Officer,Bangalore.	116-10	2 lbs.Diospyros tupru seeds
Superintendent,Agri-Hortl. Society,Teynampett, Madras.	6-10	4 Packets seeds of Indian Corn of sorts.
	118-10	12 Plants Russellia floribunda.
	145-10	12 White Antigonon Plants.
Superintendent of Agriculture, Bridgetown,Barbados, West Indies.	11-10	Seeds of Mamee and Fat - Pork tree.
Superintendent,Hooki Springs, Quirindi N.S.W. Australia.	15-10	1 Large packet of Curra jong seeds.

Donor.	Entry No.	Donation.
Superintendent, Botanic -- Station, Barhados. B.W.I	22-10	1 Packet Anona palustris seed.
Superintendent, Royal --- Botanic Gardens, Sibpur, Calcutta.	35-10	75 Oreodoxa regia plants.
	51-10	1 Packet Aleurites trisperma seeds.
Superintendent, Empress Gardens, Poona.	49-10	6 White Lagerstoemia plants.
Superintendent, Kumaun Govt. Gardens, Douglas Dale, Jeolikote P.O. Dt. Nainital.	58-10	4 Small bags of seed potatoes of sorts raised from imported tubers ~~seeds~~.
Superintendent, Govt. Hortl. Garden, Lucknow. U.P.	59-10	23 Packets acclimatised flower seeds.
Sander & Sons, Messrs: Nurserymen, St. Albans, England.	65-10	32 Orchids of sorts.
Superintendent, Botanic Garden, Kirkee, Bombay Presidency.	66-10	82 Tapioca cuttings in 41 varieties.
Superintendent, Botanic Gardens, Penang. S.S.	82-10	12 Packets of seeds.
Superintendent, State Gardens, Baroda.	83-10	Plants and seeds.
	155-10	12 Clumps of arundo.
	160-10	14 Kinds of seeds in fairly large quantities
Superintendent, Fern Hill Palace, Fern Hill, Ootacamund.	95-10	108 Carnation plants.
		12 Begonia plants.
Superintendent, School Gardens, Colombo, Ceylon.	99-10	4 Plants, 6 cuttings, 2 packets of seeds.
	125-10	25 Cottonpita guianeensis seeds.
Secretary, Agri-Hortl. Society of India, Alipore, Calcutta.	117-10	1 Packet Cassia javonica and 1 packet nodosa seeds.
Superintendent, Sajjan Niwas Gardens, Odeypore.	128-10	1 Packet seed of Swietenia Mahagoni
Venkata Rao, Esq., Nellikai, Municipal Commissioner, Mangalore.	18-10)	34 Bread fruit roots of the tree
	27-10)	

L I B R A R Y .

Donor.	Donation.
Curator,Government Botanic Gardens, Ootacamund.	One copy of Garden Administration Report for 1908-1909.
Conservator of Forests in Mysore.	One copy of the Departmental Report for - 1908-1909.
Director,The Cooper Research Laboratory,Berkenhamstead.	One copy of the Annual Report.
Director,Agricultural Research Institute,Pusa,Bengal.	Memoirs of the Department of Agricultural in India. Agricultural Journal of India. Bulletin No.15 of July 1909. Report on the Introduction of Improvement into Indian Agriculture.
Director,Royal Botanic Gardens,Kew, England.	The Kew Bulletin.
Director,Department of Agriculture, Central Experiment Farm,Ottawa, North America.	One copy of the Annual Report of the Entomologist and Botanist on the Experiment Farm for the year ending 31-3-0[illegible]
Director,U.S.Department of Agriculture, Washington.	Experiment Station Records.
Director,Station Agronomique, Mauritius.	One copy of the Annual Report for 1908.
Director,Botanic Forestry and Scientific Department,Uganda.~~xx~~. B.E. Africa.	One copy of the Meteorogical Report for the year ending 31st. December -- 1908.
Director of Botanic Gardens and - Officer in charge of Botanical Park,Sydney,New South Wales.	One copy of the Annual Report of the -- Gardens for 1908.
Director,Bureau of Science,Manila, Philippine Islands.	The Philippine Journal of Science.
Director of Forestry,Bureau Forestry, Manila.	One copy of the Annual Report for --- 1908-1909.
[illegible]die,Esq.,E.S.,5 Bedford Street, Liverpool.	One copy of Bulletin on Soy Beans.
Inspector General of Education in Mysore,Bangalore.	One copy of the Special Report on Manual Training.
Joshi,Esq.,P.A.,Curator,Botanic Gardens,Baseen.	One copy of book on Groundnut cultivation in Konkan(in Mahrathi).
Jessop & Co.,Messrs:, Calcutta.	One copy of ~~kkx~~ Tangyes Oil Engine --- Almanac for 1910.
Librarian,U.S.Department of Agriculture,Washington.	Farmer's Bulletins Nos.58 & 372 and -- Bureau of Plant Industry Bulletin No.98 on Soy Beans.
[illegible]ffg.Reporter on Economic Products to the Government of India.	One copy of the Annual Report and Programme of Collections for the Indian Museum Calcutta and the Imperial Institute, London.

Donor.	Donation.
Hon.Secretary,Agri-Horticultural Society of Western India, Poona.	One copy of the Annual Report of the Empress and Rund Gardens,Poona, for 1908-1909.
Schimmel & Co.,Messrs:Miltitz near Liepzig,Germany.	Semi Annual Reports.
Superintendent,Government Agri-Horticultural Gardens,Lahore.	One copy of the Garden Report for 1908.
Secretary,U.P.A.S.I.,Bangalore.	Planter's Chronicle. One copy of Proceedings of the Association for August 1909.
Superintendent,Sajjan Niwas Gardens,Udaipur,Mewar.	One copy of the Annual Report for the year 1908-1909.
Senior Surgeon and Sanitary Commissioner, Mysore Government.	One copy of the Departmental Report for 1908-1909.
Anderson,Esq.,A.Organising Manager, International Rubber and Allied Trade Exhibition, Ltd.,Royal Agricultural Hall, London.	One copy of the Official Report of the Exhibition.
Superintendent,Government Printing,India,No.8 Hastings Street,Calcutta.	Agricultural Ledger.
Superintendent, Botanic and Forestry, Department,Hongkong.	One copy of the Departmental Report.

DONATION LIST.

D O N O R .	D o n a t i o n.
ZOOLOGICAL COLLECTION.	
Brown & Co.,Messrs:,Kallai,Malabar.	One Porcupine.
Cortor,Mrs.C.,Arcot House,Ooregaum.	Two Lorris.
Daly,Mrs.Jas.A.Forest Bungalow, Ananthapur.	One pair of Pea Fowls.
Fumebright,Esq.,C.City Magistrate, Bangalore.	Two Fox cubs.
Lemay,Esq.,S.,Chief Judge, Bangalore.	One Armedillo.
Ramachandra Rao Mr. Chickpet,Bangalore.	One Parrot.
Rajagopalacharlu,Esq.,C.Sathyala-yam, Bangalore.	One spotted Deer.
Smith,Mrs.T., Richmond Town, Bangalore.	One Armedello
Sundrapawmy & Sons.,Messrs:,Lal-Bagh Road, Bangalore.	Two Doves.
Zamindar of Kuppam,Kuppam.	One wild Sheep and One Deer.

Appendix 6.

SEEDS Etc., SENT OUT IN EXCHANGE.

To whom sent.	What sent.
Agricultural Explorer in charge, Bureau of Plant Industry, Department of Agriculture, Washington, D.C., U.S.A.	1 lb.10 oz. Diospyros Tupru seeds
Basak,Esq., K.B., 2 Kankurgachi I line, Harrison Road, Calcutta.	8 Packets of seeds and five plants
Barber, Dr. C.A., Botanist, Agrl. College, Coimbatore.	350 Plants.
Buckley,Esq.,Llewellyn, Salem.	50 Seeds of Castanospermum australe. 12 Packets of seeds.
Curator, Botanical Gardens, Bassein, Thana District.	44 Plantain suckers in 6 varieties
Conservator of Forests, Indore, C.I.	26 Packets of Fodder Seeds
Director of National Museum, Caracas, Venezuela, S.America.	45 Packets of seeds of trees, shrubs &c.,
Director, Scientific & Forestry Deptt. Entebbe, Uganda.	36 packets of seeds of Fruit trees & economics &c., 3 oz. seeds of Papai(large fruiting variety)
Director, Botanic Gardens,Groningen,Holland.	5 packets of seeds.
Director, Botanic Gardens & Museum,Upsala, Sweeden.	20 packets of seeds.
Director of Agriculture,Cyprus.	1 lb. Soy Beans.
Delany, Mrs.M., Port Mohat, Port Blair, Andamans.	14 packets' Imported flower seeds
Director of Forests and Gardens, Port Louis,Mauritius.	2 Packets of seeds.
Hanson, Mrs.L., C/o Supt.of Post Offices, Shimoga.	18 Plants of kinds. 8 roots Michaelmas Daisy.
Irwin, Esq.,J.W.,Jumboor Estate, Madapur, N.Coorg.	½ lb.Crotalaria Verrucosa seeds.
Manager, Medical Nursery, 28-3 Beadon Row, Calcutta.	1 lb,Ceara Rubber seeds. 2 oz,Acacia suma seeds.
Minchin,Mrs.E.,Grosvenor Street,Cambridge, Auckland Province,New Zealand.	34 Packets of seeds.
Newbery,Esq.,G.L.,Chikanhally,Sidapur, Coorg.	12 Plants of Manihot dichotoma.
Officiating Reporter on Economic Products to the Govt. of India,Calcutta.	18 Kadu shunti roots(Zinziber officinale).

To whom sent.	What sent.
Price,Esq.,F.W. Private Secy. to Mr.A.A.Dangar,Barcona,Whittingham, New South Wales,Australia.	½ lb. Tectona grandis (Teak)seeds.
Robinson,Esq.,W.J.C.,Kubula Hill, Blantyne ,Nyassaland,Protectorate, Africa.	40 Packets of seeds.
Range Officer,Chennagiri.	19 Packets of seeds. ¼ lb.seeds of Filicium decipiens.
Superintendent,Agri.-Hortl.Society, Teynampett,Madras.	8 Caladium bulbs in 8 varieties. 9 Packets seeds. 28 Plants,42 cuttings,
Superintendent,Royal Botanic Gardens, Sibpur,Calcutta.	24 Furcraea gigantea plants.(Fourcr Watsoniana).
Sander & Sons,Messrs:Nurserymen,St. Albans,England.	50 Plants of Furcraea gigantea vari gata (Fourcroya Watsoniana).
Superintendent,State Gardens,Jhind State,Sangrur,Punjab.	73 Packets of seeds.
Superintendent,Emerald Bower Gardens, Barrackpur Trunk Road,Cossipur, Calcutta.	50 Plants of Plumbago capensis.
Superintendent,State Gardens,Baroda.	60 White Cannas. 4 lb. Pods of Terminalia Chebula.
Superintendent,Kumaun Govt. Gardens, Jeolikote,Nainital District.	35 Rubber plants of kinds.
Superintendent,School Gardens, Colombo,Ceylon.	44 Packets of seeds.
Secretary to the Director of Agri-culture,Buitenzorg,Java.	19 Packets of seeds.
Superintendent,Municipal Gardens, Victoria Garden,Bombay.	4 Packets of seeds.
Thomssen Rev.C.N.Telugu Mission, Bapatla,Madras Presidency.	38 Plants and Bulbs.
Venkata Rao,Esq.,Nellikai, Municipal Councillor, Mangalore.	17 Plants of kinds.

				Horticultural Shows	2500	0	0	2582	0	11		
				Improvements & Extensions	10000	0	0	6294	6	10		
				Office Stable.	720	0	0	718	2	1	Temporary addition	
				Garden Stable	1332	0	0	1393	7	9	Establishment.	
Total Rs	5603	9	3	Total Rs	38768	0	0	36331	1	5		
				Rembon Contd.								
By sale of grass, firewood &c.	574	7	0	Water costs	360	0	0	357	12	4		
				Servants.	948	0	0	857	2	1		
				Office establishment and Miscellaneous.	480	0	0	480	0	0		
Total Rs	574	7	0	Total Rs	1788	0	0	1688	14	5		
				Experimental Fruit Cultivation at Simla Contd. Station								
Nil				Experimental charges	6500 X	0	0				X A sum of Rs 250/-	
				i Fencing				1881	10	0	has been transferred	
				ii Trees and seeds				111	4	0	for the purchase of a pair	
				iii Establishment				379	15	2	of bullocks for Dairy	
				iv Contingencies				286	2	0	Dawlat Ragh, Seringapatam	
Total Rs	Nil.			Total Rs	6500	0	0	3661	15	2	(Vide Govt. Pro No 9476-9 of 16th March 10. 9 m 20-09	

Appendix D.

Statement showing Receipts, Budget allotment and actual Expenditure of the Parks and Gardens in Mysore for the official year 1909-10

Particulars of Receipts	Amount.			Particulars of Expenditure	Budget allotment.			Expenditure.			Remarks.
				Botanical Gardens.							
By sale of plants, seeds &c.	*4699	1	3	Superintendent	5700	0	0	5825	0	0	*Exclusive of 6372-4-0 by Bank adjt.
Gate collection at the two Horticultural Shows.	904	8	0	Munsif	1380	0	0	1380	0	0	
				Horse allowance	180	0	0	180	0	0	
				Clerks	660	0	0	700	0	0	
				Artist	600	0	0	600	0	0	
				Servants	5754	0	0	5382	7	11	
				Apprentice Gardeners	392	0	0	161	4	10	
				Travelling allowance	800	0	0	1106	6	2	
				Contingencies	1350	0	0	2172	5	10	
				Menagerie & aviary	3750	0	0	4064	5	9	
				Plants & seeds.	700	0	0	858	5	0	
				Construction & repairs	1000	0	0	969	12	10	
				Temporary Cooly labour	700	0	0	707	8	2	
				Purchase of animals	250	0	0	238	1	0	
				Articles for the Hort. sale room.	1000	0	0	997	6	4	

Total Rs	0	4	0	Total Rs	177	0	0	109	11	6

Govt. Buildings, Yelwal Road

Servants	144	0	0	127	9	9
Wake-cart	180	0	0	168	5	0
Contingencies	78	0	0	77	15	9
Total Rs	402	0	0	373	14	6

Total Rs Nil.

Law Courts.

Servants	144	0	0	71	10	3
Wake-cart	180	0	0	177	12	5
Contingencies	67	0	0	66	15	7
Total Rs	391	0	0	316	5	9

Total Rs Nil

Military Assistants' Quarters

Servants	198	0	0	134	15	8
Wake-cart	180	0	0	178	4	4
Contingencies	30	0	0	29	14	0
Total Rs	408	0	0	343	2	0

Total Rs Nil

Gordon Park. Mysore.

By sale of fuel, plants &c.	40	4	3	Overseer	1200	0	0	1200	0	0
				Horse allowance	180	0	0	180	0	0
				Servants	1536	0	0	1290	14	1
				Water carts —	900	0	0	874	4	2
				Contingencies	400	0	0	399	12	6
				Purchase of Plants Seeds	50	0	0	49	13	0
Total Rs.	40	4	3	Total Rs	4266	0	0	3994	11	9

Curzon Park.

By sale of grass, fuel &c.	392	5	6	Servants	2148	0	0	1404	5	5
				Water cart-	180	0	0	178	8	0
				Contingencies	300	0	0	299	8	10
				Wages of convict labour	584	0	0	583	12	0
Total Rs	392	5	6	Total Rs	3212	0	0	2466	23	

Private Secretary's Quarters.

By sale of loppings	0	4	0	Servants-	144	0	0	137	0	0
				Contingencies —	33	0	0	32	14	0

Daria Dowlet Bagh, Seringapatam.

By Mango crop, plants, flowers &c.	616	1	11	Daroga	300	0	0	300	0	0	(A) A sum of Rs 40
Experimental cultivation of Vegetables	63	1	1	Servants	1188	0	0	1131	5	1	was transferred from
				Contingencies (A)	200	0	0	489	15	6	B and a sum of
				Construction & repairs	425	0	0	424	15	11	Rs 250 was transferred
				Purchase of Plants & seeds (B)	75	0	0	32	0	0	from Experimental
				Experimental cultivation of Vegetables	450	0	0	444	15	0	Station as per Govt. Pro. No. 94748-9 / 201-09-1 dt 14th March 1910.
Total Rs	679	3	0	Total Rs	2638	0	0	2823	3	6	

Exotic Gardens, Nandi Hills

By sale of fruits	14	12	7	Allowance to Forests	120	0	0	120	0	0	
" " buffaloes	26	8	0	Permanent Peons	192	0	0	192	0	0	
				Temporary Servants	72	0	0	72	0	0	For 6 months from 1st January
				Temporary Watchmen	48	0	0	48	0	0	For 4 months from 1st February
				Contingencies	100	0	0	72	4	0	
Total Rs.	41	6	7	Total Rs	532	0	0	504	4	0	

From

Secy. to the Govt. of His Highness
the Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Supt
Govt Press

Dated

Despatched 6.12.05.

Received

General No. G 3448

No. GM 177-10-2

Enclosure No (Part-I of the Report with Appendices A, B & D)

Has the honour to request that the accompanying Annual ~~Administration~~ Report on the Govt Gardens for the last official year may be set in type and 400 printed copies kept ready to be bound up with the Govt review thereon to follow. 250 Copies of the Report with the review are to be supplied to the Supt of Govt.

MGCPP—20,000—6-2-05.

Gardens and the remaining
Copies sent to this Office.

By order
for 8/12/10
Dr Mg. Sec

2. The proof final may as usual be sent to the Supt., Govt. Gardens for careful revision.

No. G 3449-a-6.12.10/S. 43.

Ref. G 3449
GM-177-W2 Econ. Part II Dept. dated 6.12.10

Copy of the above is forwarded to the Supt. Govt Gardens for information.

The Section of the Report ~~relating to~~ containing plant notes and notes on experimental cultivation ~~is herewith returned~~ cannot be published as a part of the Annual Farm Report and is therefore returned with the direction that as stated in the last para of the Supt's letter No. 98 dated the 18th August 1910 these notes are published as a bulletin with a descriptive account of the Lalbagh in accordance with the orders of Govt. communicated in this Office docket No. G.4053 - Econ/169-of-3

Bg 8/12/10
Dr Mg. VS. 4

G. 4. 2. 10

G.R.S. 28.]

Gen File No. 177-A

Serial No. 3

1541

Diary No. of letter replied to

Proceedings of the Government of His Highness the Maharaja of Mysore.

GENERAL AND REVENUE SECRETARIAT.

( )

the 19

Date of issue 23. 2. 11

Signed by W. B. Ramaswamaiya

READ—

The Report on the Working of the Government Gardens and Parks in Mysore during the year 1909-10 received with letter No 263 dated the 17th Nov 1910 from the Economic Botanist and Superintendent, Government Gardens in Mysore.

ORDER THEREON.—No. 64915

~~Recorded~~

The report forms a full and interesting ~~report~~ record of the ~~working~~ done during the year. ~~of the Government Gardens and Parks and~~ The thanks of Govt are due to Mr. Krumbiegel for the efficient ~~manner in which the working was conducted~~ management of the Govt. Gardens & Parks in his charge, and for the measures ~~radically~~ ~~being~~ continued adopted by him for their improvement. JGR 8-12-10.

over

Offg. Secretary to Govt

SUBJECT.

Do

The Supt. Govt Gardens

GPB—10,000—9-12-09

REPORT ON THE WORKING OF THE GOVERNMENT GARDENS AND PARKS IN MYSORE DURING THE YEAR 1909-10,

WITH THE GOVERNMENT REVIEW THEREON.

Proceedings of the Government of His Highness the Maharaja of Mysore, General (Miscellaneous), dated 23rd February 1911.

READ—

The Report on the working of the Government Gardens and Parks in Mysore during the year 1909-10, received with letter No. 263, dated the 17th November 1910, from the Economic Botanist and Superintendent, Government Gardens in Mysore.

No. G. 4915—G. M. 177-10-3, DATED BANGALORE, 23RD FEBRUARY 1911.

ORDER THEREON.—The report forms a full and interesting record of the work done during the year. The thanks of Government are due to Mr. Krumbiegel for the efficient management of the Government Gardens and Parks in his charge, and for the measures adopted by him for their continued improvement.

C. S. BALASUNDARAM IYER,
Offg. Secy. to Govt., Gen. & Rev. Depts.

To—The Superintendent, Government Gardens.

Exd.—C. R.

ANNUAL REPORT ON THE CONDITION, PROGRESS AND GENERAL ADMINISTRATION OF THE GOVERNMENT GARDENS AND PARKS IN MYSORE FOR THE OFFICIAL YEAR 1909-10.

I. Government Botanical Gardens (Lal-Bagh).

Visitors.—The Lal-Bagh has fully maintained its reputation both as a place of public resort and a source of scientific information. The improvements so far completed attracted an unusually large number of people. The development of plant-nurseries and the Seed-depot also contributed to public attendance including many officials of the Horticultural and Agricultural Departments of India, planters and other mofussil visitors. Among the notabilities may be mentioned the Vice-regal party and the several native ruling chiefs of Northern India.

2. *Season.*—The rainfall as gauged at the Gardens amounts to 31 inches and 94 cents, which is 3·06 less than the average for the station or 4·6 more than that of the previous official year. Rain fell on 55 days during eight months, of which August was the wettest month when 12·51 represents the quantity gauged. The heaviest single downpour recorded on the 1st September only amounts to 2·4. The drought prevailed over a period of four months, *viz.*, from December to March, and the light showers that fell at intervals during the south-west monsoon greatly benefited the garden and field crops; but the latter subsequently suffered in consequence of the comparative failure of the north-east monsoon.

3. *Horticultural Shows.*—The Summer and Winter Horticultural Shows have been held at regular intervals, as usual, in August and February, respectively, at an aggregate cost of Rs. 2,582-0-11 against the annual grant of Rs. 2,500. The gate collection realised on both the occasions amounts to a sum of Rs. 904-8-0, which is in excess of the corresponding Shows of the previous official year by Rs. 17-12-0. This result may apparently be due to two changes in the former programme. *Firstly*, the Show which was, for several years past, taking place on Thursday and Friday, is now held on the two days following. *Secondly*, the Show is kept open on the third day in view to admitting only *gosha* ladies into the Show Conservatory on payment of a small fee.

At the Summer Show the Gold Medal for Classes I, II and III has been awarded to Major Hayes and Mr. Hannyngton, Joint Exhibitors, while the Mysore Fruit Syndicate carried off the Silver Medal for Class V. The Bronze Medal for Class VI fell to the share of Muniamma.

The remarks of the judges of each Show on the respective classes have been quoted *ad verbatim* in Appendix A.

4. *Apprentice gardeners.*—The complement of the class organised about twenty years ago is 6 lads, provision for whose wages has been without exception made in all the subsequent years: whenceforth it is still observed that the strength of the class was seldom full and invariably of a fluctuating nature. Coming to the period under report, there were in the class four apprentices to start with, of whom one entered into his third year's course in March. The rest severed connection with the class—one by a transfer to the permanent establishment in the same month and the other two left in September and May, respectively. The class in this way remained dwindled down till June, when a lad was newly admitted and thereby raised the number to two at the close of the official year.

5. *Construction and repairs.*—This item represents works which, being of a minor nature, are neither referred to the Public Works Department nor included with the scheme of special improvements undertaken by this Department. The annual grant of Rs. 1,000 allowed therefor has been, as usual, economically expended on works of which the following are the more important:—

Repairing Garden buildings and structures.
Color and white-washing the same.
Constructing drainage pits.
Dismantling old wall and stone roof of some parts of the old *Chattram.*
Purchasing materials, such as paint, screws, bolts, etc.
Constructing soil bins.
Improving floor of Potting Shed.
Road repairs.
Constructing parapet walls.
Constructing drains, etc.

Other petty works also received prompt attention; and in this way the Garden buildings, roads, etc., have been maintained in a good state of repair.

6. *Zoological collection.*—With the grant for new purchases further reduced to a sum of Rs. 250, which is one-fourth of what it used to be in former years, the acquisition of rare and interesting animals, if not new to the collection, could not be attempted beyond the purchase of a pair of ring-tailed lemurs. Funds being thus limited, Government have approved of the proposal made to secure good and valuable animals in exchange for one or two elephants captured at the Kheddas, of which a pair of calves were subsequently placed at the disposal of this office by the Forest Department. Unfortunately, one of them died in transit and could, as reported, not be replaced, there being none available. The surviving specimen showed signs of disease on arrival, but subsequently recovered with medical treatment administered for some time. This elephant was offered to Mr. John Witek of Bombay in exchange for a lioness, a pair of emus, and a pair of swans. The lioness, strange to say, did not survive the journey and died before she reached the destination.

These unfortunate casualties seriously affected the improvement of the zoological collection which otherwise remained the same as in the previous year in point of representativeness and interest. Making allowance for the casualties mostly confined to smaller animals, the condition of all other inmates of our Menagerie and Aviary was generally satisfactory. Presents of small animals and birds have, as usual, been received and details of the same are mentioned in the donation list.

The following is a list of the animals as it stood at the end of the year:—

Scientific name	Popular name	Number of animals
Simia satyrus	Orang-outang	2
Ceropithecus callitrichus	Green Monkey	1
Cynopithecus niger	Black Ape	1
Lemur catta	Ring-tailed Lemur	1
,, Macoca	Black Lemur	1
,, Nigrifrons	Black-fronted Lemur	3
Felis leo	Lion	1
,, Tigris	Tiger	1
,, Paradus	Leopard	1
,, ,, var. mela	Black Leopard	1
Hyæna striata	Striped-hyæna	1
Ursus torquatus	Himalayan Black Bear	3
Melursus ursinus	Sloth Bear	1
Canis bengalensis	Indian Fox	1
Boselaphus tragocamelus	Nilghai	1
Gazella arabica	Arabian Gazella	1
Antilope cervicapra	Black Buck	4
Cervus axis	Spotted Deer	30
Tragulus meminna	Mouse Deer	2
Cervulus muntjac	Barking Deer	1

Scientific name	Popular name	No. of animals
Sus cristatus	Indian Wild Boar	2
Hystrix leucura	Hairy-nosed Porcupine	1
Sciursus privosti	Refous-necked Squirrel	1
Lepus cuniculus	Rabbit	17
Cavia porcellus	Guinea Pig	22
Macropus bennetti	Bennett's Kangaroo	1
Urocissa sinensis	Blue Magpie	1
Garrulax leucolophus	White Laughing Thrush	1
Psittacus galeritus	Great Sulphur-crested Cockatoo ...	2
,, leucolophus	Great White-crested Cockatoo ...	1
,, roseicapillus	Rose-breasted Cockatoo	2
,, flaveolus	Alexandrine parrakeet	2
,, gregarius	Australian Love birds	3
,, novae-hollandiae	Cockatiel	1
Eula petes religiosa	Southern Grackle	1
Munia oryzivora	Java Sparrow	5
Hypsipetes psaroides	Common Bulbul	1
Goura coronata	Crowned Pigeon	1
Columba intermedia	Common Pigeon	7
Turtur risorius var. alba	White Turtle Dove	4
Pavo cristatus	Common Pea-fowl	11
,, var. alba	White Pea-fowl	6
Onerquedula crecca	Common Teal	14
Cairina moschata	Muscivy Duck	6

7. *Special improvements.*—The second year's scheme of improvements was submitted at a cost of Rs. 21,000 and Government while sanctioning a sum of Rs. 10,000 for a portion thereof ordered the following distribution of works, adding the last item, *viz.*, compensation :—

	Rs.
Water-supply	2,000-0-0
Books	594-4-0
Porcelain labels	390-0-0
Statue garden	1,383-0-0
Minor improvements	2,000-0-0
Compensation	3,632-12-0

It will be observed from the above that only items 1 and 3 have been undertaken in continuation from the previous official year; and the rest, *viz.*, (1) Converting Glass House into Fowl-House, (2) Concreting *Chattram* Roof, (3) Constructing a Glass House and (4) Improving the Foliage House, transferred to the Public Works Department for execution, with the Office "outfit" ordered to stand over for the time being, comprises the full scheme as proposed by this office.

The progress or the improvement, as the case may be, connected with each item is briefly noticed under.

8. *Water-supply.*—The advantages of water-supply from pipe system introduced into the Gardens as compared with that of the former masonry and earthen channels being sufficiently explained in the last report, it only remains to be said at present that in conformity with the original Scheme the Western Main has now been laid down which controls all the ground west of the "Darwinia" including the Menagerie section.

8. (*a*) *Books.*—A selection of works on Botany, Gardening, Economic products, etc., has been secured for the Library : these include the books sanctioned with the Scheme of Improvements. It is observed that with the acquisitions already made, the Library continues to be still incomplete and unrepresentative of the more modern botanical literature, and as funds become available its further development will receive attention.

9. *Porcelain labels.*—The matter of correctly labelling important plants has been engaging attention of the Garden authorities, and it is gratifying to observe that the enquiring public appreciate the present porcelain label, on which the usual information regarding the natural order, genus, species, and the habitat, of a plant, has been furnished. With a white background and the indelible black

printed impression burned in, the label has proved useful for distant vision, attractive for sight-seeing, and lastly, economical in value. A consignment consisting of 722 labels was imported from Germany at a cost of Rs. 390, and lists are being drawn up for further orders as it is intended that the Garden collection of Florists, Flowers, Foliage plants, and Ornamental Forest trees, should invariably have the names attached to the specimens.

10. *Statue garden.*—Situated in a congenial locality of the Lal-Bagh, this garden in its remodelled state presents generally a very attractive appearance. The grass parterres encircling the Statue have been completely returfed with hariali; while the motor drive and the interior walks thoroughly remade with a stratum of the local laterite. The shrub border skirting the promenade all round has been opened out in some portions and replanted with flowering annuals. Groups of foliage plants, such as, Caladiums, Crotons, etc., have been inserted at intervals in the more shady parts. The western half is skirted by herbaceous border where a large number of the more showy hardy perennials are being tried.

11. *Minor improvements.*—This general item comprises a variety of details falling within the sanctioning powers of this office, and the same include cost of labor employed, materials purchased, and minor buildings of an original nature undertaken independent of those connected with "Construction and Repairs." Principal among the purchases may be mentioned the following:—garden benches, a set of new flags, a fibre-folding case, edging bricks for the various plots, shield tiles for the Duck House, stone soil bins erected in the Nursery, flat iron bars as edging to smaller grass plots. The more important of the minor works are the extension of the culvert and wire-fencing of the Outdoor Nursery near the office, constructing an underground channel to drain off storm water from the old nursery.

12. *General garden improvements.*—These comprise a variety of gardening works undertaken for the improvement of existing features or the formation of new ones at desirable centres of the grounds. Chief amongst such works are the following:—

(*a*) In the interest of wheeled-traffic, the carriage drive has been widened to admit of a free plying of vehicles and parking of the same thereon on the occasions of Horticultural Shows, Moonlight Bands, and other public entertainments. Several of the narrow foot-paths and walks around beds and across grass lawns, respectively, were similarly dealt with.

(*b*) With the advent of the favourable season, the planting of trees and shrubs on a few prominent sites, which were otherwise looking bare, received prompt attention. The elegant tree, Schinus molle, planted on each corner of the grass plot opposite to the "Darwinia" and an avenue of Royal Palm (Oreodoxa Regia) planted by the side of the Deer Paddock have improved the appearance, and added to the scenic effect of the grounds. A number of shrubberies opened on isolated plots with foliage and flowering plants are other features worth-mentioning. When sufficiently grown up, these shrubs of variegated leaves and flowers will add considerable interest, shrubberies having so far been practically absent.

(*c*) The formation of rockeries at suitable centres of the Garden on lines referred to in the last Annual Report has been duly taken in hand. The well in the old Tree Nursery has been dismantled and filled up as it formed practically an open cesspool. In order to get the required soil the surrounding plot has been formed into a sunk garden, the rocked sides of it will be planted up entirely with ferns and the whole place as a natural outdoor fern garden will form a distinct feature when completed.

An underground channel to drain off the surface water has been constructed with the stones of the dismantled well.

Two new rockeries on each slope of the Bandstand Terrace facing the carriage drive have been put up for the special cultivation of the collection of succulents which now contains a large number of Genera and Species. A small rockery was constructed in the Loquat Garden for shade-loving foliage plants, and those around the Monkey House have been improved and replanted.

(*d*) A row of soil bins has been erected as an essential adjunct to the Tropical Nursery, where foliage, flowering, bulbous plants, etc., are propagated and cultivated. These bins contain the ready mixtures of soil for each class of plants in proper proportion, and for the guidance of the working staff and the enquiring public a list of the ing redients and their proportion, etc., has been provided to each bin. This information is much appreciated by the visitors to the Nurseries to whom the mixing of soils and manures has been generally a puzzle or a professional secret of their malis.

(*e*) Some ornamental garden seats have been placed around a few large and shady trees to supply a long-felt want.

13. *Public Works Department.*—In the principal work of carrying out architectural improvements the ready co-operation received from the Public Works Department has been most helpful.

14. *Seed-Depot.*—Amongst the buildings, and in fact next in importance to the Albert Victor Conservatory constructed about 20 years ago, is the Agri-Horticultural Seed-Depot erected in front of the Tropical Nursery, and consists of a right and left wing separated by a central glass-covered hall which forms a Plant-House for the more delicate plants and is a suitable entrance to the nursery as well as the both wings of the Depot. Each wing contains two rooms. The larger one on the one side being intended for the seed room while the smaller is occupied by the clerks. On the other side the larger room is being fitted out as a Bureau of Economic Botany where specimens of economic products, samples of manure, implements, specifications, etc., of types of machinery and published information on subjects connected with plant industries is being collected and kept for public inspection and enquiry. The small room next to the Economic Bureau is kept for the Office of the Economic Botanist and it is proposed to add to this room a small Laboratory room and next to this, adjoining the Nursery Building, a small lean-to Glass House.

These adjuncts are very necessary for the efficient selection, testing and controlling of the seed, the necessary germinating trials, and hybridizing work.

The ground in front of the building has been properly laid out with gravel plots lawn and shrubberies.

15. *Monkey House.*—Alterations to this enclosure have resulted in providing a number of additional cages for the comfortable accommodation of the several species of the monkey tribe. The four detached rooms originally standing at the corners of the house have been connected with tile-roofed apartments, and the whole now forms a complete enclosure with entrances and exits north and south. Small moveable doors have been provided in the partition walls of the several rooms, which is an efficient arrangement for the changing of animals from cage to cage with safety to themselves and the keeper in particular, and greatly facilitate the proper cleaning. Substantial repairs have also been made to the wooden roofing of the old rooms ; and with these improvements it may be said that all the inmates of the cages have been safely and securely housed including the Orang-Outang known to the local rural folk as "*Kadu manushya*," Jungle man.

16. *Albert Victor Conservatory, Front Gates, and the Band-stand.*—These received an efficient coat of painting, while some other improvements have also been effected to the last-named structure. The central wooden column has been removed and substituted with iron trusses to support the plank-roofing as also the circular masonry pedestal on which the pillar rested in the centre. The removal of these, more or less obstacles before, has made the Band-stand more roomy and comfortable and greatly improved its appearance.

17. *Compound wall.*—The private land acquired for the extension of the Gardens has been securely enclosed by a compound wall 440 feet long. Built to a height of 8 feet from the ground, it is expected, the wall will prevent the constant trespass at that part.

18. *Railing to the New Gate from Basavangudi.*—The railing marking the western boundary of the Gardens as now extended has been continued on both the sides of the Basavangudi gate terminating at the new wall at one end and passing over the tank waste weir to the bund on the other.

19. *Concreting Chattram roof.*—The thick stratum of earth spread on the slab pavement provided to the roof of the old *Chattram* was very leaky; and in consequence of rain water dribbling constantly during the wet season from above, most of the young nursery seedlings reared on these stone staging below considerably suffered; and manures, chemical fertilizers, etc., preserved in the bins got damaged. To remedy this the layer of earth has been entirely removed and substituted with concrete roofing. The alteration has greatly facilitated the important work of propagation and cultivation of plants for the Tropical Nursery.

20. *Foliage House.*—A radical change to the roofing of this building undertaken at the latter part of the official year has been in course of progress. The two rows of the old huge masonry pillars have been removed; and for purposes of free ventilation and sufficient light inside the house a raised ventilator overlooking the roofing supported on iron posts has been constructed running the whole length of the building, while the remaining portion on both sides of the roof below has been glazed. Till the Orchid House is built this structure is being utilised as such, but it is hoped that it will soon be available for the rarer foliage plants for which it is intended and which are now grown under adverse conditions precluding their proper and effectful development.

21. *House for Water Fowls.*—This is a conversion of an old Propagating Range formerly belonging to the Rose Garden Nursery which has been removed to the Tropical Nursery. The building with slight alterations has been well adapted for the comfortable housing of the water fowls which are to be kept in the adjoining tank, the accommodation in the present old Aviary being quite inadequate.

22. *Curator's Quarters.*—Attached to this building, has been newly built a tile-roofed shed for the accommodation of a stable and a coachyard to tide over a long-felt want.

23. *Acquisition of land.*—The acquisition of land for the extension of the Lal-Bagh on the western side is not in accordance with either of the proposals referred to in the last report, as the area decided to be added at present measures only 75½ guntas or nearly two acres. Having been recently placed in possession of the land, this office, before the end of the official year, was only able to remove the rank vegetation of scrub wood, closing pits and ruts, levelling the undulating portions of the ground and finally clearing a plot thereat for the cultivation of the several varieties of the Australian fodder grasses, of which seeds were imported last year for the Sunkal Tank Experiment Station. The compensation payable for the land approximately amounts to a sum of Rs. 3,629-3-6; and all other particulars relating to its acquisition are mentioned *ad verbatim* in the following statment kindly furnished from the Revenue Department:—

Lands acquired for the extension of the Lal-Bagh, Bangalore.

No.	Name of the landholder	Its No. according to Survey	Extent	Compensation payable approximately	Remarks
			A. g.	Rs. a. p.	
1	Shanbhog Ramaiya Service Inam.	1	0 31	1,475 4 6	* This land formed a portion of Lal-Bagh lands and was given in exchange for the lands of the respective owners taken up for the extension of the Lal-Bagh compound some years ago. Vide Lal-Bagh Superintendent's endorsement dated 17th May 1908, on the petition of V. Subbiah.
2	Sitaramiah *bin* Hiranyappa, purchaser Sanjivaiah.	31	0 20	1,090 4 0	
3	Shanbhog Ramiah purchaser Erappa, mortgagee Gangiah.	...	0 8½	388 3 0*	
4	Subbiah, deceased son Venkataramiah.	...	0 15	675 8 0	

24. *District work.*—The parks and gardens at Mysore, Seringapatam, and Nandidrug, under the control of this office have been inspected at periodical intervals; and official visits were also paid to the Fern Hill Palace, Ootacamund,

for advising on the garden and other improvement works undertaken thereat. A short visit to Channapatna in connection with the Industrial Exhibition held there may also be mentioned.

25. *Finance.*—The revenue derived from the sale proceeds of the Gardens is remarkably in advance of that of any previous year, and comprises local and mofussil transactions and book adjustments. The aggregate sum thus realised is Rs. 7,417-7-5, of which the outstandings amount to Rs. 1,478-0-8. Deducting this and a further sum of Rs. 72-4-0 which represents book adjustments from the gross earnings, as also a sum of Rs. 1,266-6-9 paid therefrom for rail charges, etc., the actual balance realised in cash and remitted to the Treasury, including the gate collection of Rs. 904-8-0 on the occasions of the two Shows and recovery of Rs. 98-5-3 from the outstandings of the previous years, amounts to Rs. 5,603-9-3. The surplus stock of Garden produce which includes trees, plants, cuttings, bulbs, flowers, etc., whilst being always sold as above is not unusually supplied gratis on requisitions from charitable institutions, and Parks and Gardens under the charge of this office as well. The value of such issues amounts to an aggregate sum of Rs. 288-4-0. The upkeep of the Botanical Gardens with all the improvements executed thereat cost a sum of Rs. 36,331-1-5 against the budget allotment of Rs. 38,768.

26. *Office.*—The personnel of the office has remained the same as in the previous official year with the exception of one or two changes. The assistant clerk's post attached to the temporary establishment fell vacant in consequence of A. Rangamannar's resignation and was confered on S. Muthanna, the acting second clerk of the office on the permanent establishment, to which place K. Muniappa, the Garden seed-collector, has been promoted. On the occurrence of the vacancy of the clerk's post in the Museum, S. Muthanna has been transferred to fill up the same. These are temporary arrangements as the permanent incumbent, M. R. Siddaramiah, of the latter office (Museum) continues to remain attached to the Lal-Bagh temporary establishment as salesman and record-keeper. Subsequent to these arrangements the above place, namely, of the assistant clerk on the temporary establishment again fell vacant and could not be filled up till the close of the official year as a suitable candidate was not available. The post involves combined duties of advanced type-writing and stenography.

The entertainment of a peon for the Basavangudi Gate was sanctioned; and the opening under the direction of Government has been filled by the transfer of a supernumerary from the Department of the Inam Settlements.

II. Cubbon Park.

27. *Queen's Statue.*—A noteworthy event in the scheme of improvements of this domain, and one long advocated, is the removal to a reasonable distance, of the Police Station that stood in the close proximity to the Statue. The Station building was accordingly demolished and the site occupied by it has been merged with the Statue grounds. A piece of land measuring 949 square yards situated within the Park premises adjoining the northern boundary of the 'Prospect House' has been exchanged for the location of the new Police Station, the construction of which undertaken by the authorities of the Civil and Military Station has been completed. The surroundings of the Statue being thus extended, structural and landscape gardening improvements just put in hand thereat include the providing of ornamental railings, laying out lawns, shrubberies, flower gardens, etc., as also the widening of the roads which intersect at the locality. The latter, with the alterations and improvements so designed and effected commands the view of a neat "Square" laid out for the scenic embellishment of the Queen's Statue.

28. *Acquisition of land.*—The acquisition of the hamlet of Sillubande and the land skirting the south side of the Sheshadri Road covering in all an area of 31 acres and 21½ guntas has been sanctioned for the purposes of extending the Cubbon Park and opening an approach road to the Sheshadri Iyer Memorial Hall located therein. The area to be acquired comprises 34 distinct plots with several subdivisions of garden lands in the holding of a number of private individuals.

29. *Improvements.*—The flower garden in front of the Museum has been converted into a lawn of *hariali* grass. New flower beds will be cut out as soon as the grass is properly established. With the advent of the planting season, a number of ornamental trees, shrubs, etc., have been put down at desirable parts of the

ground, while hedging and fences kept under proper trim. A supply of new garden tools and implements badly needed has been secured by purchase.

To prevent trespass into the lawns—a standing act of nuisance in the Park—all the unsightly tracks have been ploughed and otherwise blocked up by trenches cut at intervals and surrounded by shrubberies. These obstacles seem to produce the effect desired to some extent. A permanent building has been constructed at the south-west corner of the Park by the Public Works Department to provide accommodation to a *Restaurant* for the use of employes of the Public Offices.

30. *Financial Report.*—The budget provision for the upkeep of the Park is Rs. 1,788 while the actual expenditure amounts to Rs. 1,688-14-5. With this small outlay, the extensive grounds have been economically maintained in a tolerable state of efficiency. Sale proceeds realised from fuel, fruit crops, and grazing, amount to Rs. 502-7-0, the last being, as usual, the principal item of revenue.

The temporary charge of the land behind the District Office compound acquired for the building of Law Courts continues. Grazing and mango crops sold thereat fetched a sum of Rs. 72 duly paid into the Treasury.

III. Daria Dowlat Bagh, Seringapatam.

31. *Visitors.*—That Seringapatam with its historic renown always attracts foreign visitors goes without saying; and the claim of the Daria Dowlat Bagh as one of the places of interest and public resort is never overlooked. During the period under report the Garden has been honoured with a visit by His Excellency the Viceroy and Governor-General of India and party. Amongst other distinguished visitors may be mentioned His Excellency the Governor of Madras and several State Guests including Native Chiefs, Rulers, and other notabilities who attended the late Royal wedding at Mysore.

The Royal family of Mysore continue to occasionally grace the Garden with their visits. Sight-seers and scientific visitors were more than usual.

32. *Improvements.*—A shrubbery has been planted on the bare piece of ground near the tennis court; but the growth of the plants is impeded by the rootlets of the Golden Bamboo of which a clump stands close by. But for the ornamental and smart appearance of the latter occupying a prominent position of the ground, the clump would have been removed. A similar plot of ground behind the Fernery has been planted with Roses and Pomegranate trees which have made a good start.

The group of Colvillea racemosa planted one on each side at the end of the northern central walk near the kitchen has been growing very rapidly and will be a striking feature of the Garden when in full blossom.

33. *Economic cultivation.*—Chief among plants of economic value introduced into the Garden are, Rubber, Rhea, and Sisal. A plantation of the latter is being started on the dry waste land behind the Nagarkhana and it will serve as a useful object lesson to both the local raiyat and experimentalist.

33 (*a*). *Experimental cultivation.*—The land selected for the experimental cultivation of vegetables partly leased out for several years on private tenancy had to be taken over, with a large tract of jungle consisting of pits, ridges, and waste plots. This had to be levelled to an irrigation level, and the whole ground laid out in plots made arable. A fence has been put up all round; and of the 24 distinct vegetables of both indigenous and introduced kinds grown may be mentioned the following:—Beans, Capsicums, Knol-kohl, Brinjal, Bitter Gourd, Cucumber, Radish, Beet-root, Turnips, Coriander, Vegetable Marrow, Lettuce, Tomato, and Sweet Potatoes. Cabbage, Cauliflower, Peas, Onions, Carrots, etc., rotted and many suffered from saturation of the ground by excessive rains, while in the dry season the water-supply from the Bangar Doddi Channel practically failed. The ground requires a good deal of working up ere cultivation can be carried on under normal conditions. Under these circumstances it was not possible to obtain reliable data. The results obtained from the work are—that the whole ground formation has been prepared, the men have gained experience, the ground has been physically improved, requirements for drainage and an independent water-supply were ascertained and schemes for same are being prepared.

The cost of the establishment amounts to Rs. 327-15-0. Manure and wire for fencing have been purchased at a cost of Rs. 117. The total outlay on the experimental cultivation as carried on at the above Gardens aggregates a sum of Rs. 444-15-0 against the allotment of Rs. 450. A small sum of Rs. 63-1-1 has been realised from the sale proceeds of the above vegetables.

34. *Establishment.*—This remains the same as in the previous year except the transfer, to the Curzon Park, Mysore, of Ramiah, Maistry, who has been succeeded by Head Gardener Bomma.

The Garden exhibit of foliage plants has been awarded a certificate of Honourable Mention at the Mysore Dasara Industrial and Agricultural Exhibition. Two of the Garden bullocks became unserviceable through old age and subsequently one of them died of cattle disease. The surviving bullock has been sold and a new pair purchased at a cost of Rs. 250.

35. *Finance.*—The discontinuance of paddy cultivation at the Garden has seriously affected its revenue which has, during the year under report, fallen down so low as a sum of Rs. 679-3-0 realised from all other minor items, *viz.*, mango and tamarind crops, plants, flowers, firewood, etc., against a sum of Rs. 1,025-0-4, recovered in the previous official year. The realisation does not include cost of plants issued free to the other Gardens of the Department. The upkeep of the Daria Dowlat Bagh under all headings of expenditure has cost a sum of Rs. 2,378-4-6 against the grant of Rs. 2,438.

IV. Nandi Exotic Garden.

36. The efficient maintenance of this nursery and of the bridle paths connected therewith has received careful attention. A portion of the ground has been thoroughly dug over and properly weeded, and a small plot cleared for the cultivation of potatoes. The fruit trees were properly overhauled, pruned, and thinned out where necessary and a plot for planting new kinds has been prepared. The sale proceeds from fruits, etc., amount to a sum of Rs. 41-6-7 while at an actual outlay of Rs. 504-4-0 the upkeep of the whole Nursery has been managed against the usual budget grant of Rs. 532.

V. Gordon Park, Mysore.

37. *Improvements.*—The iron fence provided around the Flower Garden in front of the Public Offices has proved to be an efficient means of protection from trespass and damage committed by stray cattle; and in consequence the shrub border, the lawns and flower beds have been kept more effectively this year. Small shrubberies opened on bare scattered sites of the south-east maidan have improved the landscape view of the grounds generally; but the poor nature of the soil aggravated by scarcity of water prevailing particularly during the hot months of the year at this elevated part of the capital seriously retards satisfactory growth of these ornamental plants.

Liberal application of manure to the roots of stunted trees during the wet season has been very beneficial.

38. *Play ground.*—Permission for the extension of the play ground area while being appreciated by the players including several local students and leading citizens, has, on the other hand, tended to the whole ground being made a thoroughfare.

A strong effective fence to prevent trespass into the Park from the side of the Yelwal Road is a long-felt desideratum and can only be supplied when the necessary funds become available.

39. *Finance.*—The maintenance of the Park has cost a sum of Rs. 3,994-11-9 against the budget grant of Rs. 4,266-0-0. The sale proceeds from fuel, plants, etc., amount to Rs. 40-4-3.

VI. Curzon Park.

40. *Statue.*—The work connected with the location of the new Statue of His Highness the late Maharaja of Mysore on the same place where the former one stood in the Park, has been in progress and the base has been completed. Decorative groups of plants are from time to time being arranged on the spot in view to

relieving its bare appearance during the occasions of Royal festivities and Public entertainments.

41. *Water difficulty.*—The total absence of water-supply is a continued difficulty. The suggestion made by the Water Works Department to secure a permanent supply of water for the Park from the Doddakere Tank has been approved by Government, and it is hoped the work will be taken in hand before long.

42. *Improvements.*—The ornamental gates provided to the north and east entrances to Block I in place of the temporary wire-entanglement have improved the general appearance of the place. The removal of the raised circular mound and the formation of a grass plot thereon are improvements to Block II. The northern portion of this Block occupied by the Town Hall in the vicinity of which the Municipal Depot is located is rendered untidy on account of the debris and unserviceable Municipal plant.

43. *Finance.*—A sum of Rs. 392-5-6 has been realised from the sale of the Park produce, of which the chief item is grass. Against the budget allotment of Rs. 3,212 the actual expenditure for the upkeep of this important Park amounts to only a sum of Rs. 2,166-2-3.

VII. Additional Charge at Mysore.

44. This comprises the following:—

Private Secretary's Quarters, Government Buildings on Yelwal Road, Law Courts, and Military Assistant's Quarters.

Beyond the usual upkeep, nothing of importance has transpired in the management of the above grounds except the first where the Gardens have been improved and extended by the acquisition of more land. The situation of this Garden on a prominent place in close vicinity to the Pleasure Palace rendered the improvements desirable and necessary. At an aggregate net outlay of Rs. 1,203-4-3 the above grounds have been efficiently maintained against the budget grant of Rs. 1,378-0-0.

Sunkal Tank Station.

45. During the year under report a complete fence has been erected round this Station and the whole planned out into the proposed plots, with roads, buildings, etc. Whilst officially in charge of this Department, the drainage work was in full swing and the place was practically in the hands of the Sanitary Department. Though the bund is breached at the outlet of the new drainage channel the soil is heaped upon both sides and joining with the bund the whole now forms two tanks instead of one. No earthwork for levelling the area had been done nor was the sewage channel and the sceptic tank put under working so that it was impossible to start cultivation there this year.

46. *Establishment work.*—All hands have worked with zeal and acquitted themselves in the discharge of the considerably increased work.

47. *Plant notes and experimental cultivation.*—This usually formed Part II of the Reports but will now be issued as a bulletin.

48. As will be seen from Appendix C, the introduction of seeds and plants by exchange with other botanical institutions throughout the world has received continuous attention.

Over 1,800 kinds, new to our collections, were received mostly, of course, as seeds but a very satisfactory percentage has successfully germinated.

G. H. KRUMBIEGEL,
Economic Botanist,
Superintendent,
Government Gardens and Parks
in Mysore.

APPENDIX—A.

JUDGES' REMARKS.

Summer Show.

Classes I, II, III.—"The exhibits compare very favourably with those of previous years. The Standard Roses, Double Geraniums, Cannas, Tuberous-rooted Begonias, Pansies, Dahlias and Petunias were exceedingly good. The fine exhibit of new varieties of Amaranthus was a novel feature of the Show. Special prizes were awarded for Caladiums and Gloxinias. The Judges desire to draw attention to the fact that the rule restricting the number of exhibits in any one group does not appear to have been adhered to, and neglect of this rule has, in some cases, led the Judges to withhold prizes which would otherwise have been awarded, and in others, has rendered the task of judging more onerous than it need have been. It is to be hoped that, in future, exhibitors will strictly adhere to the rules laid down in the prospectus. The Judges consider that in some cases the permissible number of exhibits in certain groups might with advantage be increased."

Class IV.—" The Show was quite up to the standard. Competition in most groups, especially in the Bouquets, was keener.

The Judges regret that the frequent remarks regarding the stiffness of the bouquets are still unheeded and think that the introduction of a little delicate colour with the white would be a great improvement.

Roses were hardly up to the mark, while dahlias were exceedingly good. It is a pity that there was not more competition in the Table Decoration both amongst ladies and butlers.

A special prize was awarded for a very nicely arranged basket and the Judges will be glad if this class is better patronized.

The cultivated cut flowers would be far better exhibited if they were kept well separated."

Class V.—" The exhibits were as a whole up to the standard of previous years but many of the fruit exhibits were hardly in condition for tables, being frequently underripe and more attention seems to have been devoted in securing a good appearance than to developing the flavour. In the case of the apples particularly, the Judges would point out the haphazard style in which the baskets stated to contain different varieties are made up and they recommend that in future each basket shall contain only one variety and be marked with name of variety.

It is suggested that there shall be a special prize for Lemons, as at present competitors exhibit Lemons as limes and some confusion appears to exist. The growing of a good variety of Lemons is to be encouraged.

The feature of Class V was the fine exhibit of Australian Washington Naval oranges grown in Bangalore by the Mysore Fruit Syndicate, Ltd., and the Judges congratulate the growers on the introduction of such a fine and new variety of orange into India. They recommend that the Silver Medal given by the Government of His Highness the Maharaja of Mysore be awarded to the Mysore Fruit Syndicate for the above exhibit, the same being a meritorious novelty."

Class VI.—Vegetables.—" The winning exhibit of potatoes from imported seed was good. Potatoes from acclimatised tubers were good. The best exhibit, however, for which we awarded first prize need not have been mixed by the exhibitor with a lot of inferior stuff stoved away in the bottom of the baskets.

Cabbage not good—as none qualified, no prize was awarded.

Lettuces distinctly poor—very poor heart and what there was rotten and hardly fit for consumption.

Endives distinctly better than last year.

Peas were rather good and there was very little to choose between the different exhibits.

Turnips were excellent.

Knol-kohl were good.

There was only one exhibit of Asparagus and that was poor.

There was no exhibit of Custard Marrow.

Tomatoes were good and for one exhibit although the requisite number was wanting we recommend a prize therefor on account of excellence.

Cho-cho exhibit was fairly good.

The Yams were very poor indeed.

The collection of English vegetables was distinctly good.

Hurilikai—Beans—were very good. Of the class of exhibits from private gardens, Tomatoes and Radishes were very good indeed.

Comparing with the exhibits of last year, however, we are of opinion that there has been a fall in the quality and quantity of the collection. Failure of rains at the proper time of the year is responsible for this."

Class VII.—"The only feature deserving of special mention was the collection of garden furniture exhibited by Messrs. Moonisawmy & Sons. The Judges have awarded a special prize of Rs. 10 to Messrs. Karnick & Co., for their exhibit of agricultural and other implements."

Class VIII.—The Floral Parade.—"The Parade formed a very pleasing and effective incident in the Flower Show and there were not only more competitors but the decorations on the whole were more tasteful than last year. The two Misses Krumbiegel were declared first, but as they were not competing, the prizes were awarded as follows :—

I. Miss Florrie Childs, for a very tasteful decoration with crimson Zinnias.

II. Doris Farmer, decoration in yellow Zinnias.

III. was divided between Miss Louis and Coral Babington.

An extra prize was awarded to Miss Stotesbury.

It is greatly to be desired that the young ladies will in future Shows turn up in still larger numbers. In one or two cases the dresses of the competitors were not quite in harmony with the colors of the flowers."

JUDGES' REMARKS.

Winter Show.

Classes I and VII.—"The Palace exhibits did not enter for competition but they are very good and give distinction to the collection.

Considering the time of the year, the collection of Foliage plants seems very satisfactory. The rare Foliage plants are a notable feature.

The Judges wish to make a special mention of the country-made garden tools and implements exhibited by Messrs. Moonisawmy & Sons.

Flower pots and ornamental pottery deserve special encouragement in future Shows."

Classes II and III.—"Class II. (1) Standard Roses not up to much. Only 2nd prize given.

(9) Fuchias poor—we would refer the exhibitors to rule No. 5.
(19) Amaryllis—a special was given of Rs. 3—refer rule No. 5.
(20) Exhibits very poor.
(21) Special (ref. rule 5).

Class III. (1) No. I took prize by better arrangements and quality, the second lost by bad arrangement.

(3) given special.
(4) " "
(11) Special (ref. rule No. 5)
(13) Very poor, no prize.

The Pansies were very good but some lost by overgrowth. We would recommend that, in future Shows, a green wooden partition should be put up between each exhibit and that, in future, each group should be in one group instead of on both sides as in the case of the single Petunias No. 7, Class III, as this causes a good deal of difficulty to the Judges and effects are lost. This, we are sure, is due to the exhibitors being late in bringing in the exhibits and failing to enter them and receive space beforehand."

Class IV.—"The cut flowers, as a whole, show exceptional merit especially considering the high winds prevailing during the last few days. The Roses are a particularly good class. The Bouquets show taste but the sweetest Bridal Bouquet should be much lighter. In view of the so-called Roses the Table representing the entente-cordiale is deserving of special notice."

Class V.—"The fruits exhibited were well up to the average. As regards apples the number of varieties did not correspond to what was asked for in that class of exhibits and the prize was accordingly halved. The Strawberries were distinctly good but there was a want of variety in the exhibits. There is room for improvement in the Peaches both in quality and size. There were three entries for the collection of fruits of all kinds all of which contained a large number of variety. The collection to which the first prize was awarded contained the better quality of fruit. A special prize was given for a basket of Citrons."

Class VI.—"In view of the complete failure of the north-east monsoon, the collection of vegetables may be regarded as decidedly good. Special attention may be directed to the following exhibits :—Nellavarakayee, Budikumbalakayee, Potatoes from acclimatised tubers, Tomatoes, and Cauliflowers. Special prizes have been awarded in a few cases. The improvements effected in the general arrangement of vegetable stalls deserve special mention."

APPENDIX B.

DONATION LIST.

Donor	Entry No.	Donation
		GARDEN.
Agrostologist and Government Botanist, Department of Agriculture, Pretoria, Transvaal.	60—10	20 bulbs of Kæmpferia sp.
Arboricultural Expert, Department of Agriculture, Eastern Bengal and Assam, Dacca.	139—10	1 Packet seed of Ficus elastica.
Botanist, North Carolina Department of Agriculture, Raleigh, U. S. A.	104—10	1 Packet of Casaba Melon seed.
Curator, Botanic Station, Dominica, West Indies.	3—10	1 Packet seed of Copaifera officinalis.
	31—10	3 Packets of seeds.
Curator, Botanical Gardens, Bassein, Thana District, Bombay Presidency.	28—10	30 Plantain suckers.
Curator, Botanical Gardens, Port Darwin, S. Australia.	54—10	12 Packets of seeds.
Curator, Botanic Station, Nassau, Bahamas, West Indies.	57—10	1 Packet Achras sapota seed.
Curator, Botanic Garden, Dahlem, Steglitz, via Berlin, Germany.	64—10	37 Bulbs of Helianthus macrophyllus.
Curator, Hanbury's Botanic Garden, La Mortola, Ventimiglia, Italy.	130—10	110 Packets of seeds, mostly of succulents.
Curator, Government Botanic Gardens, Ootacamund.	55—10	3 Packets of seeds.
	154—10	1 oz. seed of Cupressus sempervirens.
	157—10	1 oz. seed of Passiflora edulis.
Director, Royal Botanic Gardens, Kew, England...	1—10	1 Packet seed of Pilocarpus racemosus.
	75—10	1 Packet seed of Meconopsis Wallichii.
Director, Forestry and Scientific Department, Entebbe, Uganda, East Africa.	86—10	1 Packet seed of Landolphia Dawei.
	135—10	6 Packets of seeds.
Director, Department of Agriculture, Buitenzorg, Java.	77—10	10 Packets of seeds.
	189—10	1 Packet seed of Garcinia Mangostana.
	122—10	3 Packets of seeds of kinds.
	147—10	1 Packet of Palaquium Gutta seed.
	159—10	3 Packets of seeds.
Director of Agriculture, Cyprus	90—10	1 Packet seed of Maclura aurantiaca.
		12 Rose plants.
Director, Botanic Gardens, Rio de Janeiro, Brazil.	129—10	16 Packets of seeds.
District Forest Officer, Kadur District, Chikmagalur.	129—10	1 Small basketful of roots of Kadu Shunti (Zingiber officinale.)
District Forest Officer, Kolar District, Kolar ...	131—10	1 Small basket of roots of famine foods.
Director, University Botanic Gardens, Budapesth, Austria-Hungary.	132—10	55 Packets of seeds.
Director, University Botanic Gardens, Zurich, Switzerland.	134—10	27 Packets of seeds of kinds.
Director, University Botanic Gardens, Copenhagen, Denmark.	141—10	116 Packets of seeds of kinds.
Director, Botanic Gardens, Karlsruhe, Baden-Baden, Germany.	142—10	77 Packets of seeds of kinds.
Director, Botanic Gardens and Museum, Paris, France.	143—10	63 Packets of seeds of kinds.
Director, Botanic Gardens, Madrid, Spain ...	144—10	203 Packets of seeds of kinds.
Director, Imperial Botanic Gardens, St. Petersburg, Russia.	149—10	54 Packets of seeds of kinds.
Director and Government Botanist, Botanic Gardens, Sydney, N. S. Wales.	151—10	32 Packets of seeds of kinds.
Delany, Mrs. M., Port Mouvat, Port Blair, Andamans.	161—10	Palm seeds (without names).
Forester, Marikanave, Chitaldrug District ...	79—10	Famine foods.
Greer, Esq., R. M., British Vice-Consul, Tuxpam, Mexico.	61—10	29 Zapupe suckers.
Grey, Esq., Chas., Coonoor, Nilgiris ...	74—10	1 Fruit of Phyllocactus.
	76—10	5 Packets of seeds.
	81—10	1 Large packet of Cassia didymobotrya seeds.
Hanson, Mrs. H., c/o Supt. of Post Offices, Shimoga.	100—10	A collection of Orchids and Ferns.

APPENDIX B—*contd.*

Donor	Entry No.	Donation
Iyer, Esq., R. N., Building Contractor, Maymyo, Burma.	4—10	125 Unnamed orchids.
Krishnaswamy Chetty, Mr.M., Head Clerk, Office of the Economic Botanist, Supt., Government Gardens, Lal-Bagh, Bangalore.	72—10	2 Packets seeds of Cuddapah melon and seeds of jungle fruits.
Kemball, Esq., H. V. R., Club of Western India, Poona.	121—10	1 Small packet of seeds of Poinciana elata.
Manager, Medical Nursery, 28-3 Beadon Row, Calcutta.	39—10	2 Packets of Mucuna seeds.
	162—10	2 Packets Velvet Beans in 2 varieties.
Oakes, Esq., George, Downham Orchard, Ootacamund.	14—10	Seed tubers of Blackskin Potatoes.
	67—10	18 Plants of sorts.
		80 Named Rose cuttings.
	73—10	1 Packet seed of Tagasaste.
	78—10	56 Bulbs unnamed.
		8 Bamboos of sorts.
	106—10	2 Packets seeds of Brazil Cherry in two sorts.
Planting Expert, Department of Agriculture in Madras, Bangalore.	107—10	1 Packet seeds of Clitoria ternatea (Double Blue).
	113—10	2 Varieties of Abelmoschus esculentus seed.
Rundolph, Esq., P. B., 1003 North 50th Street, Seattle, Washington, U. S. A.	24—10	1 Packet seed of Lewisia cotyledon.
Range Forest Officer, Channagiri Range, Channagiri.	68—10	Bulbs and seeds of famine foods.
	140—10	1 Small bag of Diospyros tupru seeds.
Rita, Esq., S. E., Rose Cottage, Upper Shillong...	111—10	1 Packet seed Luculia gratissima.
Range Forest Officer, Bangalore ...	116—10	2 lbs. Diospyros tupru seeds.
Superintendent, Agri-Horticultural Society, Teynampett, Madras.	6—10	4 Packets seeds of Indian corn of sorts.
	118—10	12 Plants of Russellia floribunda.
	145—10	12 White Antigonon Plants.
Superintendent of Agriculture, Bridgetown, Barbados, West Indies.	11—10	Seeds of Mammee and Fat-Pork tree.
Superintendent, Mooki Springs, Quirindi, N. S.W., Australia.	15—10	1 Large packet of Currajong seeds.
Director, Royal Botanic Gardens, Kew ...	123—10	22 Packets of seeds of kinds and Helianthus tubers.
	146—10	3 Packets of seeds.
Director, Public Gardens, Jamaica, West Indies...	5—10	48 Seeds of Hymenæa courbaril.
	13—10	1 Packet seed of Quassia amara.
	30—10	12 Seeds of Cola acuminata.
		13 Seeds of Casimiroa edulis.
	63—10	1 Packet seed of Catesbaea spinosa.
Director, Forests and Gardens, Port Louis, Mauritius.	9—10	7 Packets of seeds.
	53—10	2 Do
	80—10	3 Do
	120—10	3 Do
	138—10	1 Packet seed of Ravenala Madagascariensis.
Director and Government Botanist, Botanic Gardens, Sydney, New South Wales, Australia.	12—10	3 Packets of seeds.
Director, Royal Botanic Gardens, Peradeniya, Ceylon.	17—10	1 Packet seed of Mesua ferrea.
	23—10	7 Packets seeds of sorts.
	102—10	5 Packets of seeds.
	163—10	1 Packet seed of Passiflora quadrangularis
Director and Government Botanist, Science and Agricultural Department, Georgetown, Demarara, British Guiana.	16—10	4 Packets of seeds.
	21—10	2 Do
	32—10	2 Do
Director of Agriculture Botanic Gardens, Aburi, Gold Coast, West Africa.	29—10	5 Packets of seeds.
Director, Missouri Botanical Gardens, St. Louis, U. S. A.	40—10	1 Packet of seed of Clistoyucca arborescens
	148—10	40 Packets of seeds of kinds.
Director, Experimental Station, Dar-es-Salam, German East Africa.	42—10	3 Packets of seeds.
Director, Botanic and Domain Gardens, Melbourne, Victoria.	46—10	15 Packets of seeds.
Director, Fields and Experimental Farms, Wellington, New Zealand.	62—10	82 Vines and 70 Vine cuttings of sorts.
Director, Botanic Gardens, Groningen, Holland...	70—10	1 Packet Salvia sclarea seed.
	94—10	1 Packet Welwitschia Mirabilis seed.
	124—10	14 Packets seeds of kinds.
Dunhill, Miss. Cubbon Hotel, Bangalore ...	71—10	1 Packet Pinus Gerardiana (Chilgarjee.)
Director, Forestry and Scientific Department, Entebbe, Uganda, East Africa.	47—10	1 Box Funtumia elastica seeds.
	48—10	5 Packets of seeds.

APPENDIX B—*contd.*

Donor	Entry No.	Donation
Superintendent, Botanic Station, Barbados, W. I.	22-10	1 packet Anona palustris seed.
Superintendent, Royal Botanic Gardens, Sibpur, Calcutta.	35-10	75 Oreodoxa Regia plants.
	51-10	1 packet of Aleurites trisperma seed.
Superintendent, Empress Gardens, Poona ...	49-10	6 white Lagerstræmia plants.
Superintendent, Kumaun Government Gardens, Douglas Dale, Jeolikote P. O., District Nainital.	58-10	4 small bags of seed potatoes of sorts raised from imported tubers.
Superintendent, Government Horticultural Garden, Lucknow, United Provinces.	59-10	23 packets of acclimatised flower seeds.
Sander & Sons, Messrs., Nurserymen, St. Albans, England.	65-10	32 Orchids of sorts.
Superintendent, Botanic Garden, Kirkee, Bombay Presidency.	66-10	82 Tapioca cuttings in 41 varieties.
Superintendent, Botanic Gardens, Penang, S. S.	82-10	12 packets of seeds.
Superintendent, State Gardens, Baroda ...	83-10	Plants and seeds.
	155-10	12 Clumps of Arundo.
	160-10	14 kinds of seeds in fairly large quantities.
Superintendent, Fern Hill Palace, Fern Hill, Ootacamund.	95-10	108 Carnation plants.
		12 Begonia plants.
Superintendent, School Gardens, Colombo, Ceylon.	99-10	4 plants, 6 cuttings and 2 packets of seeds.
	125-10	25 Couroupita guianensis seeds.
Secretary, Agri-Horticultural Society of India, Alipore, Calcutta.	117-10	1 packet of Cassia javonica and 1 of Cassia nodosa seeds.
Superintendent, Sajjan Niwas Gardens, Odeypore.	128-10	1 packet seed of Swietenia Mahagoni.
Venkata Rao, Esq., Nellikai, Municipal Commissioner, Mangalore.	18-10 27-10	34 roots of the Bread fruit tree.

LIBRARY.

Curator, Government Botanic Gardens, Ootacamund ...	One copy of Garden Administration Report for 1908-09
Conservator of Forests in Mysore	One copy of the Departmental Report for 1908-09.
Director, The Cooper Research Laboratory, Berkenhamstead.	One copy of the Annual Report.
Director, Agricultural Research Institute, Pusa, Bengal	Memoirs of the Department of Agriculture in India.
	Agricultural Journal of India.
	Bulletin No. 15 of July 1909.
	Report on the Introduction of Improvements into Indian Agriculture.
Director, Royal Botanic Gardens, Kew, England ...	The Kew Bulletin.
Director, Department of Agriculture, Central Experiment Farm, Ottawa, North America.	One copy of the Annual Report of the Entomologist and Botanist on the Experiment Farm for the year ending 31st March 1908.
Director, U. S. Department of Agriculture, Washington.	Experiment Station Records.
Director, Station Agronomique, Mauritius ...	One copy of the Annual Report for 1908.
Director, Botanic Forestry and Scientific Department, Uganda, B. E. Africa.	One copy of the Meteorological Report for the year ending 31st December 1908.
Director of Botanic Gardens and Officer in charge of Botanical Park, Sydney, New South Wales.	One copy of the Annual Report of the Gardens for 1908.
Director, Bureau of Science, Manila, Philippine Islands	The Philippine Journal of Science.
Director of Forestry, Bureau of Forestry, Manila, Philippine Islands.	One copy of the Annual Report for 1908-09.
Edie, Esq., E. S., 5, Bedford Street, Liverpool ...	One copy of Bulletin on Soy Beans.
Inspector-General of Education in Mysore, Bangalore	One copy of the Special Report on Manual Training.
Joshi, Esq., P.A., Curator, Botanic Gardens, Basein	One copy of book on Ground-nut Cultivation in Konkan (in Mahratti).
Jessop & Co., Messrs., Calcutta	One copy of Tangyes Oil Engine Almanac for 1910.
Librarian, U. S. Department of Agriculture, Washington.	Farmer's Bulletins Nos. 58 and 372 and Bureau of Plant Industry Bulletin No. 98 on Soy Beans.
Officiating Reporter on Economic Products to the Government of India, Calcutta.	One copy of the Annual Report and Programme of Collections for the Indian Museum, Calcutta, and the Imperial Institute, London.
Honorary Secretary, Agri-Horticultural Society of Western India, Poona.	One copy of the Annual Report of the Empress and Bund Gardens, Poona, for 1908-09.
Schimmel & Co., Messrs. Miltitz, near Leipzig, Germany	Semi-Annual Reports.
Superintendent, Government Agri-Horticultural Gardens, Lahore.	One copy of the Garden Report for 1908.

APPENDIX B—*concld.*

Donor	Donation
Secretary, U.P.A.S.I., Bangalore	Planter's Chronicle.
	One copy of Proceedings of the Association for August 1909.
Superintendent, Sajjan Niwas Gardens, Udaipur, Mewar.	One copy of the Annual Report for the year 1908-09.
Senior Surgeon and Sanitary Commissioner, Mysore Government.	One copy of the Departmental Report for 1908-09.
Manders, Esq., A., Organising Manager, International Rubber and Allied Trade Exhibition, Ltd., Royal Agricultural Hall, London.	One copy of the Official Report of the Exhibition.
Superintendent, Government Printing, India, No. 8, Hastings Street, Calcutta.	Agricultural Ledger.
Superintendent, Botanic and Forestry Department, Hong Kong.	One copy of the Departmental Report.

ZOOLOGICAL COLLECTION.

Brown & Co., Messrs., Kallai, Malabar	One Porcupine.
Corter, Mrs. C., Ascot House, Ooregaum	Two Loris.
Daly, Mrs. Jas., A., Forest Bungalow, Anantapur ...	One pair of Pea-fowls.
Hume-Wright, Esq., G., City Magistrate, Bangalore ...	Two Fox cubs.
Ismay, Esq., S., Chief Judge, Bangalore	One Armadillo.
Mannar Rao, Mr., Chikpet, Bangalore	One Parrot.
Rajagopalacharlu, Esq., C., Sathyalayam, Bangalore ...	One Spotted Deer.
Smith, Mrs. T., Richmond Town, Bangalore ...	One Armadillo.
Munisawmy & Sons, Messrs., Lal-Bagh Road, Bangalore	Two Doves.
Zamindar of Kuppam, Kuppam	One Wild Sheep and One Deer.

APPENDIX C.

SEEDS, ETC., SENT OUT IN EXCHANGE.

To whom sent	What sent
Agricultural Explorer in charge, Bureau of Plant Industry, Department of Agriculture, Washington, D. C., U. S. A.	1 lb. 10 oz. Diospyros Tupru seed.
Basak, Esq., K. B., 2, Kankurgachi 1st line, Harrison Road, Calcutta.	8 Packets of seeds and five plants.
Barber, Dr. C. A., Botanist, Agrl. College, Coimbatore....	350 Plants.
Buckley, Esq., Llewelyn, Salem	50 Seeds of Castanospermum australe.
	12 Packets of seeds.
Curator, Botanical Gardens, Bassein, Thana District ...	44 Plantain suckers in 6 varieties.
Conservator of Forests. Indore, C. I.	26 Packets of Fodder Seeds.
Director, National Museum, Caracas, Venezuela, S. America.	45 Packets of seeds of trees, shrubs, &c.
Director, Scientific and Forestry Department, Entebbe, Uganda.	36 Packets of seeds of Fruit trees, economics, &c.
	3 oz. seeds of Papai (large-fruiting variety).
Director, Botanic Gardens, Groningen, Holland ...	5 Packets of seeds.
Director, Botanic Gardens and Museum, Upsala, Sweeden.	20 Packets of seeds.
Director of Agriculture, Cyprus	1 lb. Soy Beans.
Delany, Mrs. M., Port Mouvat, Port Blair, Andamans...	14 Packets of imported flower seeds.
Director of Forests and Gardens, Port Louis, Mauritius	2 Packets of seeds.
Hanson, Mrs. L., c/o Superintendent of Post Offices, Shimoga.	18 Plants of kinds.
	8 Roots of Michaelmas Daisy.
Irwin, Esq., J. W., Jumboor Estate, Madapur, N. Coorg	½ lb. Crotalaria verrucosa seeds.
Manager, Medical Nursery, 28—3 Beadon Row, Calcutta	1 lb, Ceara Rubber seeds.
	2 oz, Acacia suma seeds.
Minchin, Mrs. E., Grosvenor Street, Cambridge, Auckland Province, New Zealand.	34 Packets of seeds.
Newbery, Esq., G. L., Chikanhalli, Sidapur, Coorg ...	12 Plants of Manihot dichotoma.
Officiating Reporter on Economic Products to the Government of India, Calcutta.	18 Kadu Shunti roots (Zingiber officinale).
Price, Esq., F. W., Private Secretary to Mr. A. A. Dangar, Baroona, Whittingham, New South Wales, Australia.	½ lb. Tectona grandis (Teak) seeds.

APPENDIX C—*concld.*

To whom sent	What sent
Robinson, Esq. W. J. C., Kubula Hill, Blantyne, Nyassaland Protectorate, Africa.	40 Packets of seeds.
Range Officer, Channagiri	19 Packets of seeds. ¼ lb. seeds of Filicium decipiens.
Superintendent, Agri.-Horticultural Society, Teynampett, Madras.	8 Caladium bulbs in 8 varieties 9 Packets of seeds. 28 Plants and 42 cuttings.
Superintendent, Royal Botanic Gardens, Sibpur, Calcutta.	24 Furcraea gigantea plants. (Fourcroya Watsoniana.)
Sander & Sons, Messrs Nurserymen, St. Albans, England.	50 Plants of Furcraea gigantea variegata (Fourcroya Watsoniana).
Superintendent, State Gardens, Jhind State, Sangrur, Punjab.	73 Packets of seeds.
Superintendent, Emerald Bower Gardens, Barrackpur Trunk Road, Cossipur, Calcutta.	50 Plants of Plumbago capensis.
Superintendent, State Gardens, Baroda	60 White Cannas. 4 lb. Pods of Terminalia Chebula.
Superintendent, Kumaun Government Gardens, Jeolikote, Nainital District.	35 Rubber plants of kinds.
Superintendent, School Gardens, Colombo, Ceylon ...	44 Packets of seeds.
Secretary to the Director of Agriculture, Buitenzorg Java.	19 Packets of seeds.
Superintendent, Municipal Gardens, Victoria Garden, Bombay.	4 Packets of seeds.
Thomssen, Rev. G. N., Telugu Mission, Bapatla, Madras Presidency.	38 Plants and bulbs.
Venkata Rao, Esq., Nellikai, Municipal Councillor, Mangalore.	17 Plants of kinds.

APPENDIX D.

Statement showing receipts, budget allotment, and actual expenditure of the Parks and Gardens in Mysore for the official year 1909-10.

Particulars of receipts.	Amount	Particulars of expenditure	Budget Allotment	Expenditure	Remarks
	Rs. a. p.	Botanical Gardens—	Rs. a. p.	Rs. a. p.	
By sale of plants, seeds, etc,.	4,699 1 3*	Superintendent ...	5,700 0 0	5,825 0 0	*Exclusive of Rs. 72-4-0 by book adjustment.
By gate collection at the two Horticultural Shows.	904 8 0	Curator	1,380 0 0	1,380 0 0	
		Horse allowance ...	180 0 0	180 0 0	
		Clerks	660 0 0	700 0 0	
		Artist	600 0 0	600 0 0	
		Servants	5,754 0 0	5,382 7 11	
		Apprentice gardeners ...	392 0 0	161 4 10	
		Travelling allowance ...	800 0 0	1,106 6 2†	†Excess in these items has been authorised in the accounts by Government in their Proceedings No. G 845-6—G. M. 272-09-8, dated 10th August 1910.
		Contingencies ...	1,350 0 0	2,172 5 10†	
		Menagerie and Aviary ...	3,750 0 0	4,064 5 9†	
		Plants and seeds ...	700 0 0	858 5 0†	
		Construction and repairs	1,000 0 0	969 12 10	
		Temporary Cooly Labor	700 0 0	707 8 2†	
		Purchase of animals ...	250 0 0	238 1 0	
		Articles for the Horticultural Saleroom.	1,000 0 0	997 6 4	
		Horticultural Shows ...	2,500 0 0	2,582 0 11†	
		Improvements and extensions.	10,000 0 0	6,294 6 10	
		Office staff	720 0 0	718 2 1	Temporary Establishment.
		Garden staff	1,332 0 0	1,393 7 9	Temporary Establishment.
Total ...	5,603 9 3	Total ...	38,768 0 0	36,321 1 5	
		Cubbon Park—			
By sale of grass, firewood, etc.,	574 7 0	Water carts	360 0 0	351 12 4	
		Servants	948 0 0	857 2 1	
		Office expenses and miscellaneous.	480 0 0	480 0 0	
Total ...	574 7 0	Total ...	1,788 0 0	1,688 14 5	
		Experimental Fruit Cultivation at Sunkal Tank Station—			
Nil ...	.....	Experimental charges ...	6,500 0 0‡	.....	‡A sum of Rs. 250 has been transferred for the purchase of a pair of bullocks for Daria Dowlat Bagh, Seringapatam (*vide* Government Proceedings No. G. 4748-9—G. M. 201-09-4, dated 14th March 1910).
		Fencing	.....	1,881 10 0	
		Trees and seeds ...	.....	1,114 4 0	
		Establishment ...	.....	379 15 2	
		Contingencies ...	.....	286 2 0	
Total ...	.....	Total ...	6,500 0 0	3,661 15 2	
		Gordon Park, Mysore--			
By sale of fuel, plants, etc.,	40 4 3	Overseer	1,200 0 0	1,200 0 0	
		Horse allowance ...	180 0 0	180 0 0	
		Servants	1,536 0 0	1,290 14 1	
		Water carts	900 0 0	874 4 2	
		Contingencies ...	400 0 0	399 12 6	
		Purchase of plants and seeds.	50 0 0	49 13 0	
Total ...	40 4 3	Total ...	4,266 0 0	3,994 11 9	

APPENDIX D—*concld.*

Particulars of receipts	Amount	Particulars of expenditure	Budget allotment	Expenditure	Remarks
	Rs. a. p.		Rs. a. p.	Rs. a. p.	
By sale of grass, fuel, etc.	392 5 6	Curzon Park—			
		Servants	2,148 0 0	1,404 5 5	
		Water cart	180 0 0	178 8 0	
		Contingencies ...	300 0 0	299 8 10	
		Wages of convict labour	584 0 0	583 12 0	
Total ...	392 5 6	Total ...	3,212 0 0	2,466 2 3	
		Private Secretary's quarters—			
By sale of loppings	0 4 0	Servants	144 0 0	137 0 0	
		Contingencies ...	33 0 0	32 14 0	
Total ...	0 4 0	Total ...	177 0 0	169 14 0	
		Government Buildings, Yelwal Road—			
.....		Servants	144 0 0	127 9 9	
		Water-cart	180 0 0	168 5 0	
		Contingencies ...	78 0 0	77 15 9	
Total ...	.....	Total ...	402 0 0	373 14 6	
		Law Courts—			
.....		Servants	144 0 0	71 10 3	
		Water-cart	180 0 0	177 12 5	
		Contingencies ...	67 0 0	66 15 1	
Total ...	.....	Total ...	391 0 0	316 5 9	
		Military Assistant's Quarters—			
.....		Servants	198 0 0	134 15 8	
		Water-cart	180 0 0	178 4 4	
		Contingencies ...	30 0 0	29 14 0	
Total ...	.....	Total ...	408 0 0	343 2 0	
		Daria Dowlat Bagh, Seringapatam—			
		Daroga	300 0 0	300 0 0	(A) A sum of Rs. 40 was transferred from (B) and a sum of Rs. 250 was transferred from Sunkal tank Experiment Station as per Govt. Pro. No.G. 4748-9—G. M. 201-09-4, dated 14th March 1910.
By mango crop, plants, flowers, etc., sold.	616 1 11	Servants	1,188 0 0	1,131 5 1	
		Contingencies (A) ...	200 0 0	489 15 6	
		Construction and repairs	425 0 0	424 15 11	
Experimental cultivation of vegetables.	63 1 1	Purchase of plants and seeds (B)	75 0 0	32 0 0	
		Experimental cultivation of vegetables.	450 0 0	444 15 0	
Total ...	679 3 0	Total ...	2,638 0 0	2,823 3 6	
		Exotic Gardens, Nandi Hills—			
By sale of fruits ...	14 14 7	Allowance to Forester ...	120 0 0	120 0 0	
Do buffalo ...	26 8 0	Permanent malis ...	192 0 0	192 0 0	
		Temporary servants ...	72 0 0	72 0 0	For 6 months from 1st January.
		Temporary watchmen ...	48 0 0	48 0 0	For 4 months from 1st February.
		Contingencies ...	100 0 0	72 4 0	
Total ...	41 6 7	Total ...	532 0 0	504 4 0	
Grand Total ...	7,331 7 7	Grand Total ...	59,082 0 0	52,673 8 9	

GPB—400—30-5-11.

No. 1198 DIARY No. 1302

OFFICE OF THE ECONOMIC BOTANIST,
SUPERINTENDENT, GOVT. GARDENS,
LAL-BAGH, BANGALORE.

1911-1912
SECTION Gen Mis
FILE No. 177/G/1911
SERIAL No. 4.

Dated 12th September, 1911.
13

From

G. H. KRUMBIEGEL, F.R.H.S.,
ECONOMIC BOTANIST,
SUPERINTENDENT, GOVT. GARDENS.

To

C.S.Balasundaram Iyer,Esq.,B.A.,
Offg.Secretary to the Government of His Highness the
Maharaja of Mysore,General and Revenue Departments.

Sir,

With reference to your No.G.1517 dated 9th instant inviting attention to No. G.3449/G.M.177-10-2 dated 6th December - last and subsequent reminder thereto viz No.G.312 dated 14-7-1911 I have the honor to state that notes on experimental cultivation originaly intended to comprise Part II of this office -- Annual Report for 1909-10 will be included with the Bulletin on the Lal-Bagh which is now under preparation.

I have the honor to be,

Sir,

Your most obedient servant,

G. H. Krumbiegel

Economic Botanist,
Superintendent,Govt.Gardens.

V.R.R.

8/11

1910. 1912

From

G. H. KRUMBIEGEL, F.R.H.S.,
ECONOMIC BOTANIST,
SUPT., GOVT. GARDENS.

To

C. S. Balasundaram Asstt Supt
Offg. Govt Botanist, Govt
Gardens Office Despatch

Dated 17/9/1911.

Despatched

Received

General No. 1412

No.

Enclosure No.

Informing that a note
on experimental Cultivation
entitled to be sent for
Part II of the Ceylon
Annual Report for 1909/10
will be included
with the Bulletin on
Lac Insects now under